



Holy Spirit School

Level 7

(For those who have just completed Grade 7)
Summer Math and Language Arts Workbook

Name _____



Holy Spirit School
Level 7
Math and Language Arts Workbook

Parents,

Often times we find that students do not retain the skills they learned during the school year throughout the summer. This workbook is designed for students to complete over the summer. It is meant to review and reinforce the skills learned in the grade level just completed. The pages should take only a few minutes each. This will help to ensure retention of skills learned making the beginning of the next school year much easier for the students. Please note that completing the book all at one time defeats the purpose of the sustained practice over the summer.

You may find that your child will need you to read the directions but let your child record the answers. You may also find that a little extra review or instruction is needed.

Please have your child bring the completed workbook to school on the first day and give it to his/her homeroom teacher.

Thank you,
Holy Spirit School Faculty

Lesson #1

Use the Distributive Property to simply.

$$2(x + 2) =$$

$$-2(3x - 7) =$$

Evaluate if $a = -11$, $b = 8$, and $c = -6$.

$$16 + a + c$$

$$c - a + b$$

Solve.

$$8(6) - 2$$

$$(-1)(-1)(3)$$

Write each decimal as a percent.

0.0048

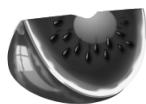
0.95

0.7

Find 4 solutions for the equation. Write the solutions as ordered pairs.

$$y = x - 5$$

What would the circumference of a circle be with a radius of 7 cm?



There were 7 cantaloupes for every 8 watermelons in the garden. If there were 98 cantaloupes, how many watermelons were in the garden?

The answer to a subtraction problem is called _____.

Write 1.05×10^3 in standard form.

Lesson #2

Rewrite each sentence fragment to be a complete sentence.

1. After we visit the library and gather information for the research paper.
2. Mrs. Jones, our math teacher this year.

Circle the **simple** subject and underline the **simple** predicate in each sentence.

1. Most computers display writing on a screen.
2. The college softball players hosted a benefit for children with cancer.
3. Our field trip to the museum was fun.

Circle the **complete** subject and underline the **complete** predicate in each sentence.

1. The television reporter announced the breaking news.
2. Roses, violets, and tulips are my favorite flowers.
3. The Chicago Cubs and the Chicago White Sox played a tough baseball game.

Lesson #3

Solve.

$$-17 \div (-17)$$

$$\frac{-525}{5}$$

$$\frac{-100}{-5}$$

Solve the inequality. Graph the solution on a number line.

$$3(n + 2) < -24$$

Write each fraction as a percent.

$$\frac{3}{8}$$

$$\frac{4}{11}$$

$$\frac{1}{5}$$

Find the percent of change. Round to the nearest tenth if necessary. State if the change is an increase or decrease.

From \$9.05 to \$6.50



If a 12-meter-tall airplane hangar casts a 18-meter shadow at the same time a parked jet casts a 6-meter shadow, how tall is the jet?

Write 1,500,000 in scientific form.

Solve.

$$\sqrt{225}$$

$$\sqrt{100}$$

Lesson #4

Label each sentence as *declarative*, *imperative*, *interrogative*, or *exclamatory*.

1. Stop by the grocery to buy milk. _____
2. Did your grandfather serve in the US Army? _____
3. The graduation ceremony will be in May. _____
4. How huge this library is! _____

Add the correct ending punctuation mark for each sentence.

1. What is the difference between crocodiles and alligators _____
2. What an amazing game that was _____
3. There was a rainbow across the sky after the thunderstorms _____
4. Line up quickly _____

Circle all of the nouns in each sentence. Be sure to include common and proper nouns.

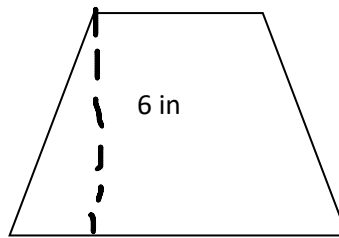
1. Harriet Tubman was involved with the Underground Railroad.
2. Many slaves were able to escape to safe houses.
3. Each runaway slave was seeking freedom and a new beginning.

Lesson #5

$-14 \times 12 =$	$90 \div (-5) =$	$-16 \times -16 =$
$-43 + 18 =$	$-23 + -91 =$	$72 + -54 =$
$-3 + 9 =$	$15 - 7 =$	$(-21) \times -4 =$
$13 \times -4 =$	$-42 - (-19) =$	$-12 - (-25) =$

Find the area of the triangle.

4 in.



Determine whether the statement is *always*, *sometimes*, or *never true*.

A whole number is a rational number.

Find the circumference of a circle that has a radius of 11 yards.

Find the percent.

$$20\% \text{ of } 75 =$$

Solve for n .

$$5n - 3 = 8n + 9$$

Lesson #6

Complete the following paragraph by writing an appropriate adjective to fill each blank.



Last summer my family went exploring in the _____ forest.

Sometimes we had difficulty getting through the _____ undergrowth. On _____ occasions we almost turned back. We kept going. During the _____ hike through the woods, we discovered _____ kinds of _____ animals. In the evening we pitched camp in a _____ location.

Identify the part of speech for each underlined word as either a *noun*, *verb* or *adjective*.

1. Neil Armstrong made history when he walked on the moon.

2. Canadian bacon adds to a delicious breakfast.

3. Many small animals defend themselves in unusual ways.

Lesson #7

Order from least to greatest.

$$-\frac{8}{9} \quad -\frac{8}{10} \quad -\overline{0.80}$$

Write the formula for the Pythagorean Theorem.

Complete the chart. Write fractions in the simplest form.

Fraction	Decimal	Percent
$\frac{1}{8}$		
	0.16	
		14.1%

In the month of April, Mr. Seum sold 12 houses. In the month of May, he sold 10 houses. What was the percent of decrease in the number of houses sold? Round to the nearest percent.

Evaluate.

$$|-4| =$$

$$|3| =$$

$$-|5| =$$

Show your work.

$$98.2 \div 46.4$$

$$197 \div 0.5$$

$$7.89 \div 0.3$$

Solve for x .

$$7(x - 3) + 4 = 11$$

Convert each fraction to a mixed number. Write your answer in simplest form.

$$\frac{12}{9} =$$

$$\frac{23}{15} =$$

$$\frac{31}{7} =$$

Lesson #8

Look up the word *dirigibles*. Write the part of speech for the word and then use the word in a sentence of your own.

Circle the action verb(s) in each sentence.

1. Elaine built a birdhouse for her mother.
2. The teacher carefully explained the water cycle.
3. For the holidays, Mark and Susan visited their grandparents.



A verb phrase contains one main verb and one or more helping verbs. Circle the verb phrase in each sentence.

1. The packages were sent to the wrong address.
2. Kentucky has been named the Bluegrass State.
3. We should have listened to the weather forecast.

Replace the underline noun(s) with an appropriate pronoun.

1. Margie and I have been friends since the third grade. _____
2. After sailing on the ocean, Dad had to dock the boat. _____
3. The test was difficult for Sam and me. _____

Lesson #9

Evaluate if $x = 2$ and $y = -6$.

$$3xy$$

Solve the inequality and then graph the solution on a number line.

$$5 + 4x \geq 13$$

Find each difference.

$125 - (-114) =$

$-320 - (-106) =$

$-2200 - (-3500) =$

True or False.

Two numbers with the same absolute values but different signs are opposites.



Jack played in a 4-day golf tournament. His score at the end of each day is shown in the table. What was his final score at the end of the tournament?

Day	Score
Monday	-3
Tuesday	+1
Wednesday	+4
Thursday	-1

Use the Order of Operations to solve.

$$7(9 - 4) + 16 \div 4 - (-18) =$$

Solve for x .

$$9x - (4 + 3) = 74$$

Circle the equation that shows Distributive Property.

$a + (b + c) = (a + b) + c$

$a(b + c) = ab + ac$

$a + 0 = a$

Lesson #10

Citing a book source in MLA format is as follows:

Author Last Name, Author First Name. Book Title. Publication House, Year Published.

Rowling, J.K. Harry Potter and the Chamber of Secrets.

Scholastic, 2000. (Because it carries over to a second line, indent)

Use one of your summer reading books as a source to cite.

An indefinite pronoun refers to a person, place, thing or an idea that may or may not be specifically named. Examples of common indefinite pronouns include *all*, *any*, *anybody*, *anyone*, *both*, *each*, *everybody*, *one*, *some*, and *something*. Select one of the words listed to write your own sentence.

Rewrite each sentence to show the correct capitalization and punctuation.

1. the magazine publisher is mr mark martin

2. i will remember mrs nusky as my favorite teacher

Lesson #11

$42 \div -6 =$	$-200 \div 8 =$	$-26 \div 13 =$
$-400 \div 20 =$	$-360 \div 9 =$	$-112 \div -8 =$
$125 \div -5 =$	$-72 \div -9 =$	$-360 \div 9 =$

Evaluate each expression.

$$|-3| + |9| =$$

$$-|18| =$$

Solve each equation.

$$\frac{d}{11} = -8$$

$$-16x = -176$$

$$-372 = 31k$$

Simplify each expression.

$$8k + 2k + 7$$

$$4(y + 2) - 2$$

Round to the nearest tenth.

15.291

0.0678

2.099

Find each square root.

$$\sqrt{0.49} =$$

$$\sqrt{4000} =$$



Five students are in line for the roller coaster. Mark is not in front but he is in front of Tony. Sam is in front of Mark. Cindy is between Sam and Mark. Sophie is behind Tony. What is the order of the students?

Find the percent of change from 20 feet to 36 feet.

Complete the chart.

Fraction	Decimal	Percent
	2.02	
		57%

Lesson #12

This, that, these and *those* can be used both as adjectives and as pronouns. When they describe nouns or pronouns, they are called **demonstrative adjectives**. When they are used alone, they are called **demonstrative pronouns**. Examples:

Adj. What are **these** skates doing in the living room?

Pro. What are **these** doing in the living room?

Identify the underlined word as a demonstrative adjective or a demonstrative pronoun.

1. These marbles once belonged to my grandfather. _____
2. These are much more expensive than the first ones. _____
3. That soccer ball belongs to my little brother. _____
4. That does not belong to me. _____

Circle the correct verb from the pair in parentheses in each sentence.

1. I would love (two, too, to) visit Paris someday.
2. Tony ate (two, too, to) many jelly beans.
3. We saw (two, too, to) dolphins in the water.

Write a sentence of your own using the word *too*.

Lesson #13

During a three-day period, a stock's price increased \$2.03 the first day, then decreased by \$1.82 the second day and \$0.25 the third day. Find the final price of the stock if the starting price was \$96.45.

Find 4 solutions for the equation. Write the solutions as ordered pairs.

$$Y = 1/3x + 1$$

True or False.

An Isosceles triangle has at least 2 congruent sides.

Show your work.

75.2×94.36

221×0.9

0.6523×0.45

Complete the function table.

X	Y
2	-4
6	-12
10	
	-26

Use a percent equation to solve.

What percent of 90 is 20?

Write each equation using exponents.

$(y \cdot y \cdot y \cdot y) \cdot (y \cdot y \cdot y)$

$(-6) (-6) (-6) (-6) (-6)$

Solve.

$$7y - 7 = 5y + 13$$

Lesson #14

Write two paragraphs about your favorite memory. Be sure to check for the following:

- _____ paragraphs are indented
- _____ sentences begin with a capital letter
- _____ sentences end with punctuation
- _____ words are spelled correctly
- _____ descriptive words are used

Lesson #15

Determine if the proportions are equal by checking cross products.

$$\frac{7}{9} = \frac{14}{18}$$

$$\frac{3}{12} = \frac{18}{72}$$

$$\frac{9}{12} = \frac{12}{24}$$



Mr. Smith paid \$30 for 4 students to visit an art museum. Who much would 20 students cost?

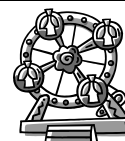
Translate the sentence into an equation.

Seven more than two times a number is 21.

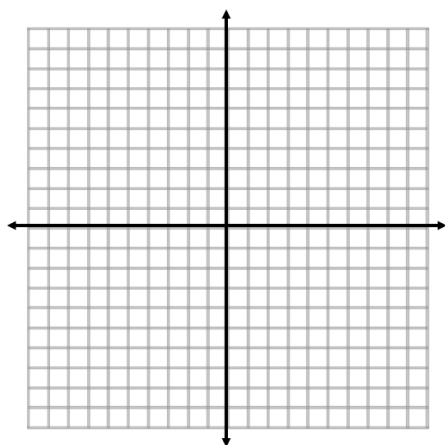
Solve.

$$12p = p + 14 + p$$

Michael spends \$0.25 for each game ticket at the school carnival. If he has \$4.50, how many game tickets can he buy?



Graph each ordered pair and label.



H (-2, 0) I (-6, -1) J (5,3) K (8, -4)

The numbers being multiplied in a multiplication problem are called _____.

Use a percent proportion to solve.

32% of 68 is what?

Lesson #16

Complete the chart using the base form to write the present participle, the past, and the past participle. Check for spelling as some words require a slight change in spelling and some are irregular. An example is given.

Base Form	Present Participle	Past	Past Participle
start	(is) starting	started	(have) started
found			
live			
teach			
eat			
grow			
cook			
learn			
drive			
go			
write			
speak			

Circle the correct verb form in parentheses in each of the following sentences.

1. The scholar (choose, chose) to study longer for the exam.
2. Tammy had never (ate, eaten) calamari until today.
3. President Lincoln (spoke, speaks) confidently when he delivered the Gettysburg Address.
4. We have (grew, grown) many vegetables in our garden this year.

Lesson #17

Order the integers from greatest to least. 88, -72, -83, 232, -165, -94

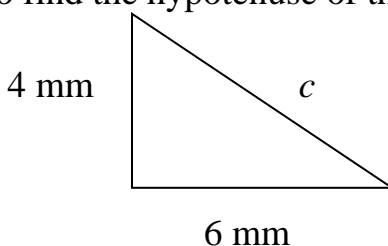
Complete the chart. Write fractions in the simplest form.

Fraction	Decimal	Percent	
$\frac{2}{3}$			
	0.08		
		56%	

Name all of the values of x if $5|x| = 63$.

Alexandria is four years less than twice her younger sister Sarah's age. Sarah is 6 years old. How old is Alexandria?

Use the Pythagorean Theorem to find the hypotenuse of the right triangle.



Find each product. Write your answer in simplest form.

$$\frac{3}{4}(-6)$$

$$-\frac{10}{14}(-2)$$

$$\frac{-15}{20}(4)$$

Use the Distributive Property to evaluate.

$$5(12 + 4) =$$

$$(20 - 3) 8 =$$

$$7(-2 + 5) =$$

Lesson #18

In many of the following sentences, one word has been misused because it has been confused with another word. Circle each incorrectly used word and then write the word that should have been used. If a sentence is already correct, write *C*.

1. An editor will altar this manuscript. _____
2. I thanked Malcolm for the compliment. _____
3. The blue chair is more comfortable then the green one.

4. The whether report comes on right after the news. _____
5. Whose the man speaking to Officer McCoy? _____
6. Eventually, winter past and spring arrived. _____
7. The town voted to except the gift for a new auditorium.

8. Maria received a box of stationery for her birthday.

A prepositions show the connection between other words in a sentence. Examples include *about, across, at, beside, by, for, in, of, off, over, through, to, under, and with*. (There are MANY more.) Underline the preposition in the sentence.

1. Several yellow finches sat on the perch eating seeds.

Lesson #19

Solve for x .

$$-6x + 5 + x \neq 2x + 1$$

Use a percent equation to solve.

16 is 4% of what number?

True or False.

*If the sum of the measures of two angles is 90° ,
the angles are called complementary angles.*

Find the circumference of a circle that has a radius of 12 meters.

Write 0.0004637 in scientific form.

Use $>$, $<$, or $=$.

$$\frac{10}{11} \text{ — } \frac{5}{8}$$

$$\frac{7}{9} \text{ — } \frac{21}{27}$$

$$\frac{4}{12} \text{ — } 0.333\dots$$

Find the value for each number.

$$7^4$$

$$6^3$$

$$2^5$$

Show your work. Write your answer in simplest form.

$$\frac{6}{7} \div \frac{2}{3} =$$

$$\frac{16}{20} \div \frac{4}{8} =$$

$$\frac{1}{2} \div \frac{4}{16} =$$

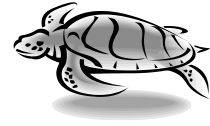
Solve.

$$6p + 2p - 8 + 10 \neq 3p + 12$$

Lesson #20

A prepositional phrase begins with a preposition and ends with a noun or pronoun. Circle the complete prepositional phrase in each sentence.

1. The forest fire filled the forest with smoke.



2. Our class watched a documentary about sea turtles.

3. The plate was placed beside the fork and spoon.

Fill in each blank with your own prepositional phrase.

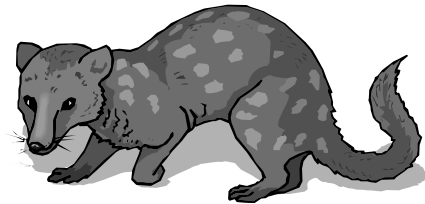
1. Mr. Turner divided the marbles _____.

2. David's parents gave a party _____.

3. We need a topic _____.

4. Allen received a present _____.

Read the two sentences and decide how they could be combined to make a better sentence. Rewrite the new sentence.



Jordan captured the opossum. It was a wild opossum.

Lesson #21

Place an X in the column to demonstrate rules of divisibility.

	2	3	5	6	10
66					
1020					
775					

Complete the function table.

X	Y
-2	14
2	-14
5	-35
	35

Round each number to the nearest tenth.

8.92

0.099

.07148

Find the percent of change.

From \$836 to \$912

Translate into an equation and then solve.

Five less than three times a number is 13.

On a set of architectural drawings, the scale is $\frac{1}{2}$ inch = 4 feet. How big is a room that shows a drawing of 5 inches?

Find four solutions for the equation. Write the solutions as ordered pairs.

$$2x - 4y = 8$$

Lesson #22

A clause is group of words that has both a _____
and a _____ .

Circle the conjunction that is used in the following sentence.

We did not have time to work on our Social Studies project today since we spent so much time working on our math.

Adverbs that tell *how* often end in *-ly*. Choose one of the adverbs in the list below, and use it in a sentence of your own.

Adverbs That Tell *How*

accidentally	badly	cruelly	fatally	lazily
angrily	blindly	carefully	gladly	loudly
anxiously	boldly	equally	greedily	painfully
awkwardly	bravely	exactly	honestly	promptly

The indirect object tells who or what is receiving the action.

Example: On her birthday, Cathy *brought* everyone *cupcakes*. **everyone**
- indirect object

cupcakes - direct object

Read the sentence below.

Last year, the Spanish teacher gave Juanita an award for being the most improved student.

What is the indirect object?

What is the direct object?

Lesson #23

Evaluate if $a = -4$, $b = 12$, and $c = 10$.

$$\frac{b}{a} =$$

$$a(b - c) =$$

$$c - a + b =$$

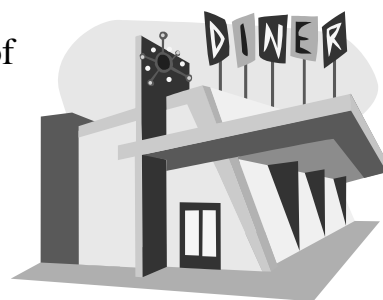
Show your work.

$$1.01 - 0.9985$$

$$23.99 - 15.02$$

$$71 - 62.8$$

The bill for the Morgan family at a restaurant was \$62.14. Mr. Morgan would like to leave their server a 20% tip. How much of a tip will the server receive? How much will the total bill be after the tip is added?



Simplify.

$$7(4x - 3y + 9) - 4(2x + 3y - 4)$$

Round each number to the nearest hundredth.

$$1283.5629$$

$$0.0091$$

$$15.0509$$



A portable DVD player is normally marked at \$99.99. It is on sale for \$79.99. What percent will a shopper save by buying while it is on sale?

Solve.

$$\frac{x}{7} - 3 = 15$$

Lesson #24

A dangling modifier is a phrase or clause that is missing significant information.

While baking a cake, the phone rang.

(The sentence implies that the phone was baking a cake; this is because words are missing.)

While Kendra was baking a cake, the phone rang.

(In this sentence it is clear who was baking the cake.)

Rewrite the sentence – correct the dangling modifier.

When playing video games, the TV screen gets blurry.

Circle two synonyms. Use a dictionary or thesaurus if you need help.

discursive

rambling

astonishing

peremptory

Combine the following two sentences to make one sentence.

This Saturday's football game is our final game of the season.

This Saturday's football game is against the Brookfield Tigers.

Lesson #25

Solve.

$$2y - 6 = y + 10$$

$-17 + -9 =$

$33 - (-22) =$

$-12 \times 4 =$

$20 \div (-4) =$

$-16 + 25 =$

$-3 \times -13 =$

$60 - 82 =$

$-17 - (-20) =$

$-54 \div 6 =$

Solve the inequality and then graph the solution on a number line.

$$5 + 2c < -9$$

Evaluate if $x = 7$, $y = -2$, and $z = -9$.

$y - z =$

$x(y + z) =$

$x - y =$

Solve.

$$4(2b - 6) + 11 = 8b - 13$$

The perimeter of a rectangle is 100 centimeters. Its width is 9 centimeters. Find its length.



Lesson #26

What three things are most important to you right now? Choose three things from the list, or write your own ideas. Then write two paragraphs about the things that are most important to you. Include at least one of each of the following: a non-restrictive appositive, a restrictive appositive, and a noun of direct address.

friends
money
time
school
family

television
faith
sports
fashion
health

music
intelligence
having fun
good grades
honesty

a pet
art
the future
reading
privacy

Lesson #27

Use a percent proportion to solve.

What is 72% of 136?

Carbon makes up 18.5% of the human body by weight. Determine the amount of carbon in a person who weighs 145 pounds. Round to the nearest tenth.

Kayla's boxer weighs 62 pounds. When it was a puppy it weighed only 23 pounds. What is the percent of change in weight?



Solve. Write your answer in simplest form.

$$4\frac{3}{5} \times 2\frac{2}{4} =$$

$$3\frac{6}{7} \times 1\frac{5}{6} =$$

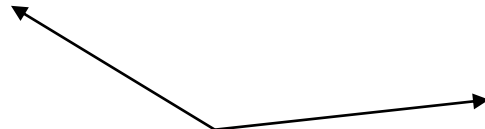
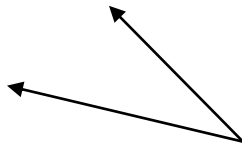
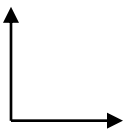
$$5\frac{1}{3} \times 6\frac{1}{4} =$$

$-12 \div -3 =$	$-24 \div 8 =$	$16 \div -4 =$
$72 \div -9 =$	$-64 \div -8 =$	$-42 \div 6 =$
$-35 \div -7 =$	$36 \div -4 =$	$-56 \div -8 =$

The answer to a subtraction problem is called _____.

How many equal sides does an equilateral triangle have?

Identify each angle as acute, obtuse or right.



Lesson #28

In 1960, Harper Lee's To Kill a Mockingbird was published in Philadelphia by J. B. Lippincott Company.

Use the information above to cite this in MLA format.

Each sentence contains a pronoun that does not agree with its antecedent. Cross out the incorrect pronoun and write the correct one above it.

1. The winter holidays are fun when you can celebrate it with family.
2. Each of the children brought her own sleeping bag.
3. The downhill skiers like it when we ski fast.

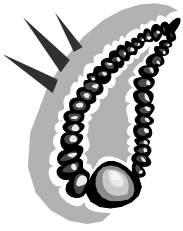
Circle the adjective or adverb that will make each sentence correct.

1. When we came into the house after ice-skating, the fire felt (good, well).
2. Tino looked (good, well) after recovering from his operation.
3. Leanne cooked a (good, well) meal of vegetables and shrimp

Circle the complete subject and underline the complete predicate.

The Chinese restaurant owner served a meal of rice and spicy chicken.

Lesson #29



A necklace is in the store for \$49. It has been marked down from \$70. What is the percent of mark down?

Show your work. Write your answer in simplest form.

$$\frac{-7}{9} + \frac{4}{6}$$

$$\frac{3}{25} + \frac{-1}{5}$$

$$\frac{4}{14} + \frac{2}{7}$$

Write an equation for the sentence and then solve.

Three times a number equals 40 more than five times the number. What is the number?

Show your work. Write your answer in simplest form.

$$10\frac{1}{9} + 9\frac{7}{45}$$

$$\frac{1}{3} + \frac{5}{6} + \frac{1}{2}$$

$$2\frac{5}{8} + 6\frac{3}{4}$$

Use order of operations to solve.

$$32 \div -4 + [6 - 2(1 + 3)] \times 2$$

Use order of operations to solve.

$$-16 + (4 \times 11) - 16(4 + 2)$$

Lesson #30

Write an essay about the greatest concern that faces teenagers today. Support your essay with at least three resources and cite them in MLA format. You can attach a typed essay or extra paper as needed.