

1 Minute Writing Prompts

- Describe an example of a quadratic that you saw this weekend.
- When adding and subtracting decimals, you always _____.
- How do you know whether to do addition (+) or subtraction (-) first in a problem?
- In order of operations, what follows parenthesis?
- Write the formula for slope. What does the numerator represent? What does the denominator represent?
- Is pi (π) a variable, constant, or unit of measure? Justify your answer.
- Area is _____, perimeter is _____. Draw a picture of both.
- Give two examples of monomials and two examples that are not monomials.
- Define the perimeter of a triangle.
- Explain how to isolate the variable x in the equation $y = \frac{4}{x}$.
- Absolute value is _____.
- The thing I did not understand about _____ is _____.
- The top number in a fraction is _____. The bottom number in a fraction is _____.
- What is the objective or goal of today's lesson?
- What is the first step in the equation $x + 4 = 7$?
- Explain where to find the y-intercept in the equation of a line and the equation of a quadratic.
- Circle the operation word in this problem.
- What process do you use to evaluate $i^{64,002}$?
- Describe a linear pair.
- Explain the difference between a prime number and a composite number.

- Describe where the decimal should be placed in the following problem.
Justify your answer.

$$\begin{array}{r} 1.23 \\ \times \quad 4 \\ \hline 492 \end{array}$$

- What is the mistake in this problem? Why is it a mistake?

$$\begin{array}{r} m + 3 = -9 \\ -3 \quad -3 \\ \hline m = 6 \end{array}$$

3 Minute Writing Prompts

- Describe the relationship between pi (π) and circles.
- What does a small coefficient (less than one) of x^2 do to the parent graph of the quadratic equation? What does a large coefficient (greater than one) of x^2 do?
- Write six different classifications for a triangle.
- How do you graph a parabola using Galileo's Law of Odds?
- What are the 3 terms used for x-intercepts? Why is each term used?
- Explain how to change a mixed number to an improper fraction.
- Compare the slope of a parallel line to the slope of a perpendicular line.
- Describe, in words, how to find the value of 3^3 .
- Explain the difference between adding and multiplying decimals.
- What is the difference between simplifying and solving?
- Explain the steps to solve the problem $3 - 3 \div (3 + 3)^2$. (Hint: PEMDAS)
- When doing divisibility problems, remember to _____.
- Explain why $-4 - 8 = -4$ is incorrect.
- Tell how the perimeter of a triangle is computed,
- Write the definition of a mixed number in your own words.
- Text message a description of the process for problem # ____.
- Compare and contrast the numbers 57, 81, and 90.
- What are some similarities between expressions and equations? What are some differences?
- Describe the difference between vertical angles and a linear pair.

5 Minute Writing Prompts

- Describe exactly how Juan spent his \$20 on Christmas shopping.
- Discuss one similarity in graphing a quadratic equation in standard, vertex, and intercept form. Discuss one difference.
- _____ is a lot like _____ that I learned in _____ (subject) _____.
- List, describe, and draw a diagram for five ways to prove triangles are congruent.
- Name and explain the difference between 3 types of quadratic equations.
- Explain why someone would want to know the perimeter of a triangle.
- Describe a real-situation using today's lesson concept.
- Explain how you determine which fraction is larger. What process do you use to decide?
- Explain how to solve $2(x+7)+3=4(x+1)+13$. Write each step of the process.
- Describe the different ways to solve a system of equations.
- Describe a Venn diagram and draw an example.
- Tell when you would use a number as a fraction, a decimal, and a percentage in a real life situation.
- You have a friend on a different team who is struggling with subtracting integers. Write them a note (instead of giving them your homework to copy ☺) that shows them how to subtract with positive and negative integers, Encourage them that they can do it! Remember your way can be different from the book or teachers, as long as it works and is mathematically correct.
- Derive the Distance Formula from the Pythagorean Theorem.
- Explain when you would use a ratio or unit rate in real-life. Give 2 examples.
- You are Mr. Foil, explain to Poly Nomial what you can do for her.
- Explain in words how to factor the expression $2x^2+17x+21$.
- Describe how to reduce $\frac{24}{36}$.