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| Question TypeStory #2: Specific Types of Questions | Description | Example of a Question We’ve Used |
| Write the Steps | Given the work of a “person” who solved a problem, explain their steps and why they did what they did. | 3. *Directions*: Sarah evaluated this function: y = 5x + 4 for x = 2. Explain her steps.*“First, \_\_\_\_\_\_\_\_\_\_.” “Next, \_\_\_\_\_\_\_\_\_.” “Then, \_\_\_\_\_\_\_\_.” “Finally, \_\_\_\_\_\_\_\_.”*

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| y = 5x + 4 |  |
| y = (5)(2) + 4 |  |
| y = 10 + 4 |  |
| y = 14 |  |

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| Missing Steps | Given the work of a “person” with missing steps, fill in what is missing and explain. | 1. *Directions:* Here are Figures 1,2, and 4. Fill in the **missing** figures. Describe the pattern.Figure XFigure 0Figure 1re 0Figure 4Figure 3Figure 2Example: I observe \_\_\_\_\_\_\_. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Venn Diagram - Compare/Contrast | Given two concepts, make a Venn Diagram and then write compare/contrast sentences about the concepts. | 1. Sine and inverse sine are both similar and different. Make a Venn Diagram for sine and inverse sine. You can write words, give an example, or draw a picture.

Now write two sentences. *Sine and Inverse Sine are similar because…* or *Sine and Inverse Sine are different because…*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| Question Type | Description | Example of a Question We’ve Used |
| Who is Correct? | Given the work of two different “people”, explain who is correct and why. | 1. Ms. Tiffany, Ms. Cindy and Ms. Amanda tried to dilate this shape by a scale factor of 4.

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| Original Shape20 ft24 ft32 ft196°152°372°6 ft5 ft8 ft38°49°93° | Ms. Tiffany24 ft20 ft32 ft38°49°93° | Ms. Cindy |
| Ms. Amanda24 ft20 ft16 ft38°49°93° |  Who is correct? *“\_\_\_\_\_\_\_ is correct because \_\_\_\_.”* *“\_\_\_\_\_\_\_ is incorrect because \_\_\_\_.”* |

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| Give Me an Example | Give an example of a concept we have been learning about. | 1. Draw an example of a triangle where you can use tangent to find a missing side. How do you know I can use tangent?

*You can use tangent because…*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Write 5 Observations (usually given a word bank) | Given a diagram or picture, write 5 observations. The word bank suggests the types of math-related observations they should be making. | 1. Write 5 observations about this situation.

The shadow of the tree is 60 ft. The sun makes an angle at the top of the tree of 45°.Use these words: *Adjacent opposite hypotenuse reference angle ratio sine/cose/tangent*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |