|  |  |  |
| --- | --- | --- |
| Question Type  Story #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, \_\_\_\_\_\_\_\_.”*   |  |  | | --- | --- | | y = 5x + 4 |  | | y = (5)(2) + 4 |  | | y = 10 + 4 |  | | y = 14 |  | |
| 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 X  Figure 0  Figure 1re 0  Figure 4  Figure 3  Figure 2  Example: 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…*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |
| --- | --- | --- |
| 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.  |  |  |  | | --- | --- | --- | | Original Shape  20 ft  24 ft  32 ft  196°  152°  372°  6 ft  5 ft  8 ft  38°  49°  93° | Ms. Tiffany  24 ft  20 ft  32 ft  38°  49°  93° | Ms. Cindy | | Ms. Amanda  24 ft  20 ft  16 ft  38°  49°  93° | Who is correct?  *“\_\_\_\_\_\_\_ is correct because \_\_\_\_.”*  *“\_\_\_\_\_\_\_ is incorrect because \_\_\_\_.”* | | |
| 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*  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |