Dilations

Dilations Practice

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_

Use the graphs to answer the questions.

Triangle ABC is located at A(-4, 2), B(1, 3), C(-3, 6).

Triangle XYZ is located at X(-4, 1), Y(1, 7), Z(4, 4)

1. Dilate triangle ABC by a scale factor of 3. Write the ordered pairs.

2. Dilate triangle ABC by a scale factor of$ \frac{1}{2}$. Write the ordered pairs.

3. Dilate triangle XYZ by a scale factor of 2. Write the ordered pairs.

4. Dilate triangle XYZ by a scale factor of $\frac{1}{ 4}$. Write the ordered pairs.

5. Dilate triangle ABC by a scale factor of 2. Write the ordered pairs.

6. Dilate triangle XYZ by a scale factor of $\frac{1}{ 3}$. Write the ordered pairs.

7. Dilate triangle XYZ by a scale factor of $5$ Write the ordered pairs.

8. Dilate triangle ABC by a scale factor of $\frac{1}{4}$. Write the ordered pairs.

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