**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_\_**

Dilations and Scale Factor

*Read the question and choose the appropriate response.*

**1.** is dilated to form. If , which of the following statements would be true?

A. This dilation is an enlargement.

B. This dilation is a reduction.

C. The two triangles are congruent.

**2.** is dilated to form. If , which of the following statements would be true?

A. This dilation is an enlargement because is 2 times larger than .

B. This dilation is an enlargement because is the size of .

C. This dilation is a reduction because is 2 times larger than .

D. This dilation is a reduction because is the size of .

**3.** is dilated to form. If , which of the following statements would be true?

A. This dilation is an enlargement because is 3 times larger than .

B. This dilation is an enlargement because is the size of .

C. This dilation is a reduction because is 3 times larger than .

D. This dilation is a reduction because is the size of .

**4.** Rectangle *ABCD* is enlarged to form rectangle *A’B’C’D’*. Which of the following statements could NOT be true?

A. The ratio of .

B. The two rectangles are similar.

C. The width of rectangle *ABCD* is 4 inches and the width of *A’B’C’D’* is 12 inches.

D. The length of rectangle *ABCD* is 8 inches and the width of *A’B’C’D’* is 2 inches.