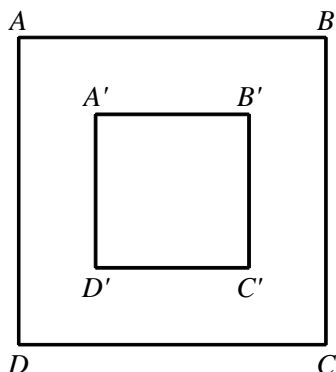


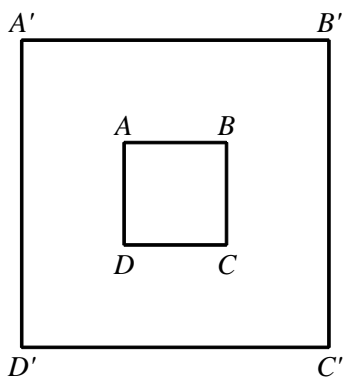
*P.I. G.G.58: Define, investigate, justify, and apply similarities (dilations and the composition of dilations and isometries)*

1. Find the scale factor for the dilation.



- [A] 2      [B]  $-\frac{1}{2}$       [C]  $\frac{1}{2}$       [D] 3

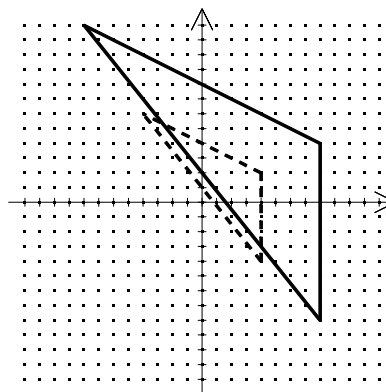
2. Find the scale factor for the dilation.



- [A] 3      [B]  $\frac{1}{4}$       [C]  $\frac{1}{3}$       [D] -3

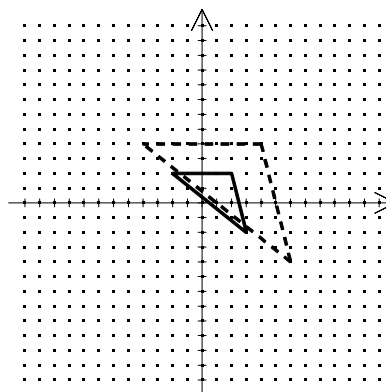
NAME: \_\_\_\_\_

3. The dotted triangle is the image of the solid triangle. What is the scale factor?



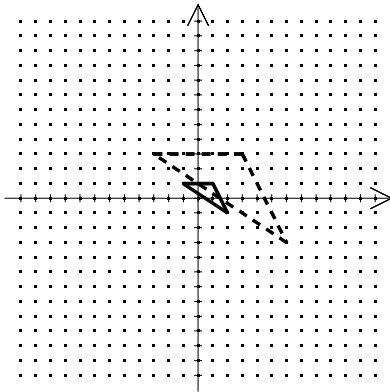
- [A] 2      [B]  $\frac{1}{2}$       [C] 3      [D] 4

4. The dotted triangle is the image of the solid triangle. What is the scale factor?



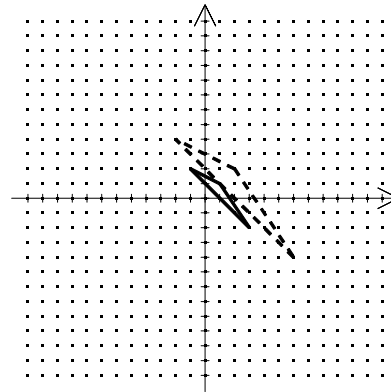
- [A] 2      [B] 4      [C] 3      [D]  $\frac{1}{3}$

5. The dotted triangle is the image of the solid triangle. What is the scale factor?



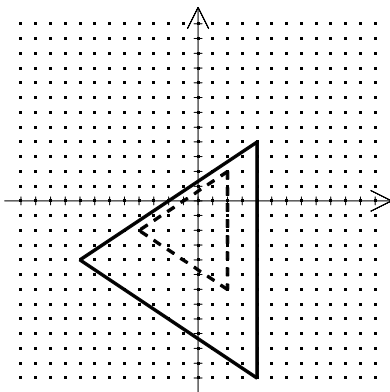
- [A]  $\frac{1}{3}$  [B]  $\frac{1}{2}$  [C] 4 [D] 3

7. The dotted triangle is the image of the solid triangle. What is the scale factor?



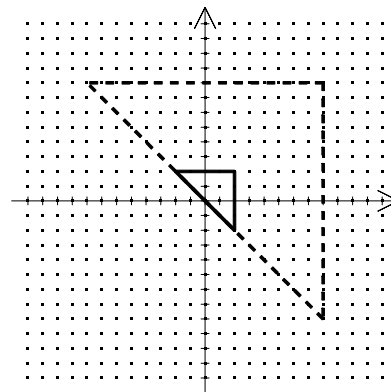
- [A] 4 [B] 2 [C]  $\frac{1}{3}$  [D] 3

6. The dotted triangle is the image of the solid triangle. What is the scale factor?



- [A] 3 [B]  $\frac{1}{2}$  [C] 2 [D] 4

8. The dotted triangle is the image of the solid triangle. What is the scale factor?



- [A]  $\frac{1}{2}$  [B] 4 [C] 2 [D]  $\frac{1}{3}$

Geometry Practice: G.G.58 #2

[www.jmap.org](http://www.jmap.org)

[1] C

[2] A

[3] B

[4] A

[5] D

[6] B

[7] B

[8] B