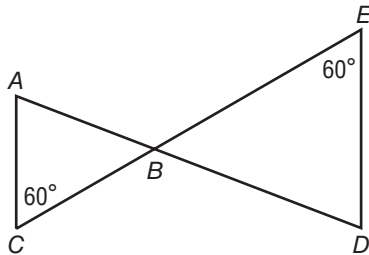


Test, Form 2A (continued)

6. The length of a rectangle is 18 centimeters and the width is 6 centimeters. A similar rectangle has a width of 2 centimeters. What is the length of the second rectangle?

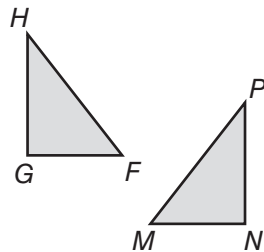
6. 6 cm

7. Determine whether the triangles are similar. If so, write a similarity statement.



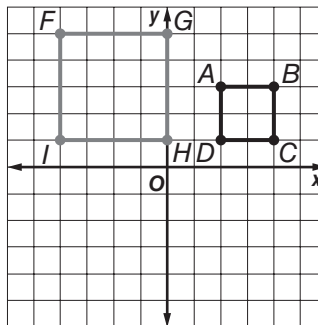
7. similar;
 $\triangle ABC \sim \triangle DBE$

8. Determine if the two figures are congruent by using transformations. Explain your reasoning.



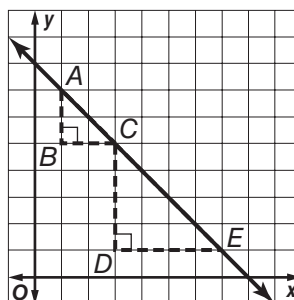
8. congruent;
figure reflected
then translated

9. Determine if the two figures are similar by using transformations. Explain your reasoning.



9. similar; figure
dilated then
translated

10. Write a proportion comparing the rise to the run for each of the similar slope triangles shown at the right. Then find the numeric value.



10.
$$\frac{AB}{BC} = \frac{CD}{DE}$$

$$\frac{-2}{2} = \frac{-4}{4} = -1$$