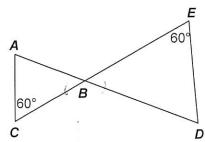
Chapter 7 Practice Test (continued)

SCORE

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?



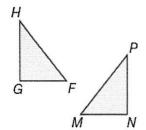
7. Determine whether the triangles are similar. If so, write a similarity statement.



CABCELDBE YES

Kies, ABCNAPBE

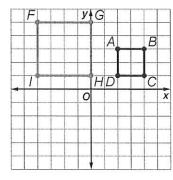
8. Determine if the two figures are congruent by using transformations. Explain your reasoning.



Salvela

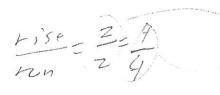
toffect cround

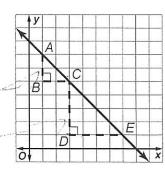
9. Determine if the two figures are similar by using transformations. Explain your reasoning.



Trouslate left dilate by a scale 9. Factor of 2

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.





	4
10.	

1

Chapter 7 Practice Test

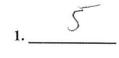
SCORE

Write the letter for the correct answer in the blank at the right of each question.

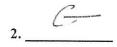
1. A survey of 12 students showed that 7 liked football, 10 liked basketball, and 5 liked both. How many students just liked basketball?



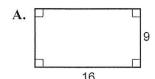
5 live both 19+7= 17-12=5

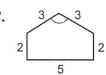


- 2. Debbie is painting an image on a piece of art canvas. The image she is reproducing is 3 inches by 5 inches. She enlarges the dimensions 4 times. Which of the following statements is not true?
 - **F.** The perimeter of the original image and the perimeter of the new image are related by a scale factor of 4.
- G. The area of the new image is 4 times the area of the original image.
 - **H.** The area of the original image and the area of the new image are related by a scale factor of 16.
 - I. The perimeter of the original image is $\frac{1}{4}$ the perimeter of the new image.



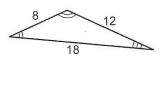
3. Which pair of polygons is similar?





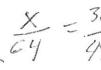






- 3.
- 4. Mitzi is 64 inches tall and casts a 48 inch shadow. Her daughter, who is standing next to her, casts a 30 inch shadow. How tall is her daughter?







5. Which of the following statements is *not* true if quadrilateral *ABCD* is congruent to quadrilateral RSTU?

$$\mathbf{A.} \ \overline{AB} \cong \overline{RS}$$

C.
$$\angle T \cong \angle C$$

B.
$$\overline{CD} \cong \overline{TU}$$

$$\mathbf{D.} \ \mathbf{\angle} A \cong \mathbf{\angle} U$$

