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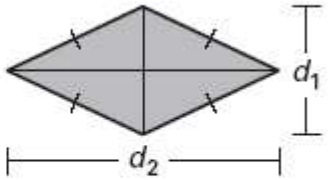
Perimeter, Circumference, and Area Assignment Part 4

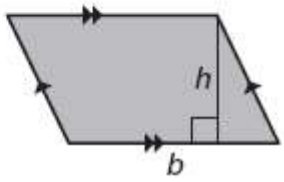
Match the area formula with the figure.

1. Area $= \frac{1}{2}$ (product of diagonals)
2. Area = (base)(height)

A.

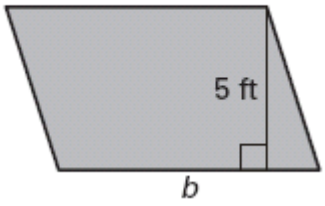


B.

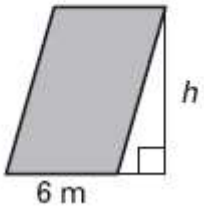


***A* gives the area of the parallelogram. Find the missing measure.**

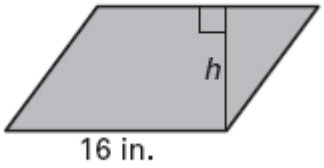
3. $A = 40$ ft^2



4. $A = 54$ m^2



5. $A = 144$ in.^{2}



6. A parallelogram has a base of 8 yards and an area of 104 square yards. Find the height.

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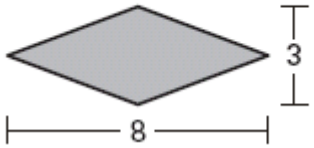
Perimeter, Circumference, and Area Assignment Part 4

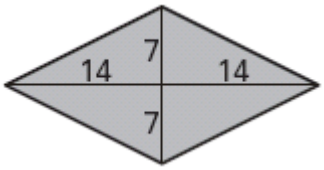
7. A parallelogram has a height of 12 meters and an area of 132 square meters. Find the base.

Find the area of the rhombus.

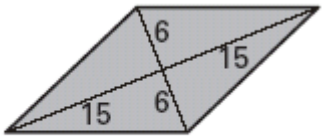
8.



9.

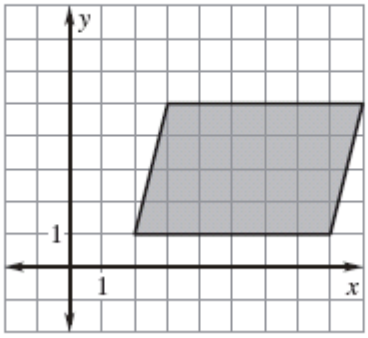


10.

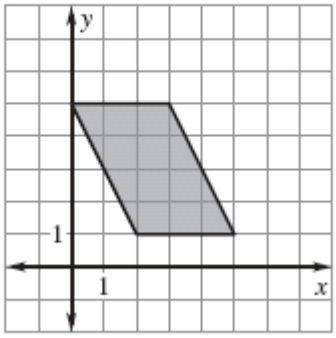


Find the area of the parallelogram.

11.



12.



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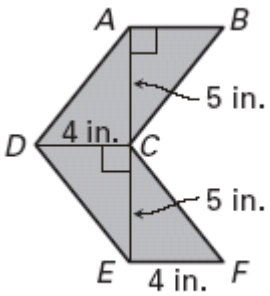
Perimeter, Circumference, and Area Assignment Part 4

Ace trucking company's logo is a rhombus. The length of the diagonals of the logo are eight feet and six feet, and the sides are five feet long.

13. Find the area of the logo.

The traffic sign shown at the right is used to direct traffic flow.

14. Find the area of polygon *ABCFED*.



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Perimeter, Circumference, and Area Assignment Part 4

ANSWERS

1. A

2. B

3. b = 8ft

4. h = 9m

5. h = 9in

6. h = 13yd

7. b = 11

8. A = 12$unit^2$

9. A = 196$unit^2$

10. A = 180$unit^2$

11. A = 24$unit^2$

12. A = 12$unit^2$

13.

14. A = 80in^2