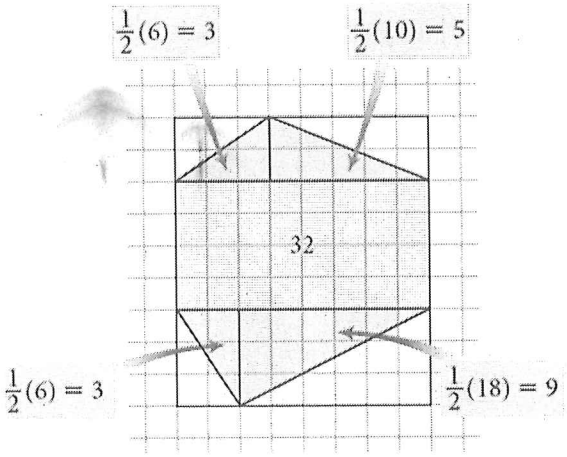
Name: _____

Area with Missing Parts, Exact Values, and Coordinate Geometry Notes and Practice

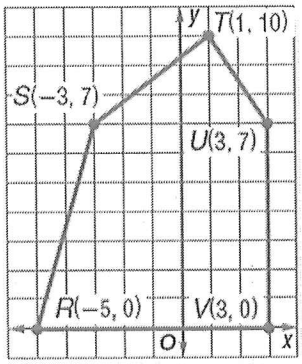
Name: _____

Coordinate Geometry Notes

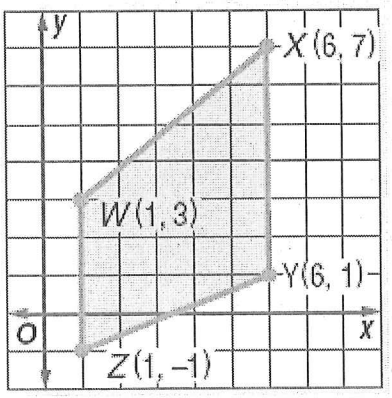
Example: Find the area of each different figure. Color the separate regions and add all areas together.



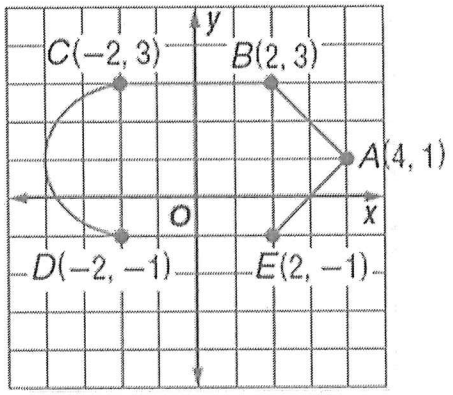
1. Find the area of the figure.



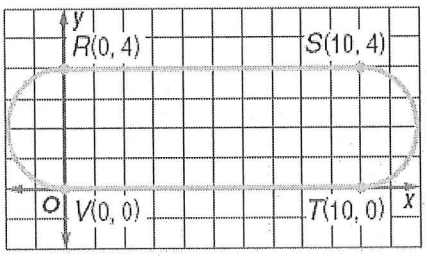
2. Find the area of the trapezoid.



3. Find the area. (use exact values)



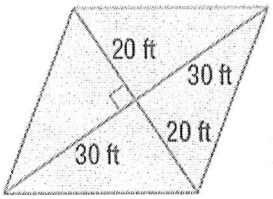
4. Find the area in exact values.



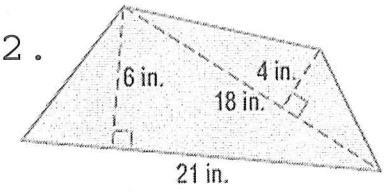
Area: Missing Sides + Recall of Spec Right Triangles Notes

Find the area

1.

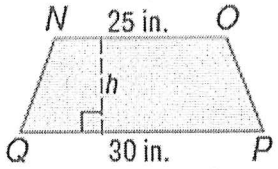


2.

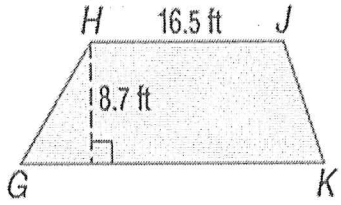


Find a missing length.

3. Trapezoid $NOPQ$ has an area of 302.5 square inches. Find the height of $NOPQ$.

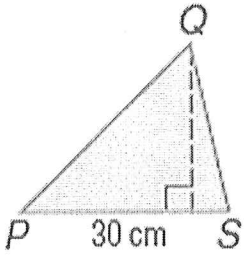


4. If HJ is 16.5 feet, find GK.



$A = 188.35 \text{ ft}^2$

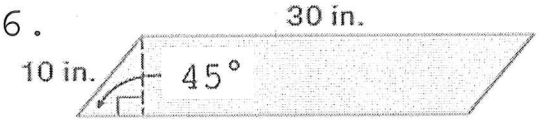
5. Find the height.



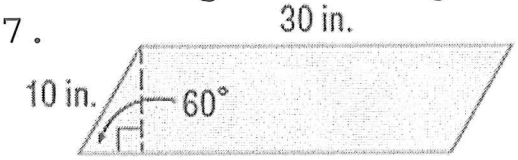
$A = 300 \text{ cm}^2$

Find the exact area. (Use special right triangles)

6.



7.

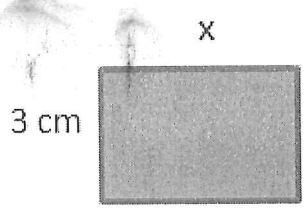


Name: _____ Unit 11 Area

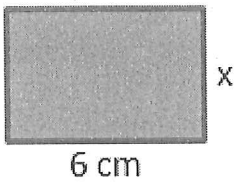
Area with Missing Parts Practice

Directions: Find the following for the rectangle.

1. Find the missing side length if the area = 30 cm^2

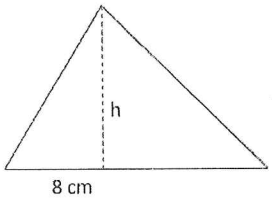


2. Find the missing side length if the area = 42 cm^2

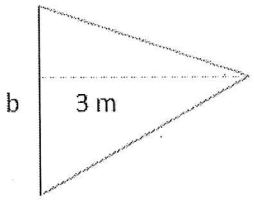


Directions: Find the following for the triangle.

3. Find the missing height if the area = 40 cm^2

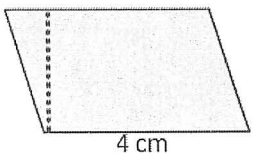


4. Find the missing base if the area = 63 m^2

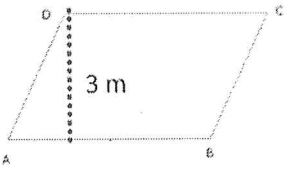


Directions: Find the following for the parallelogram.

5. Find the missing height if the area = 36 cm^2

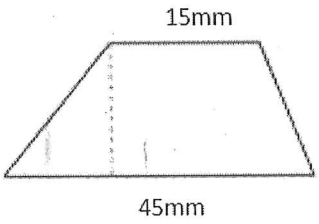


6. Find the missing base if the area = 18 m^2

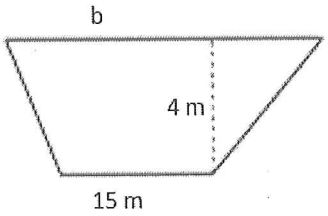


Directions: Find the following for the trapezoid.

7. Find the missing height if the area = 300 mm^2

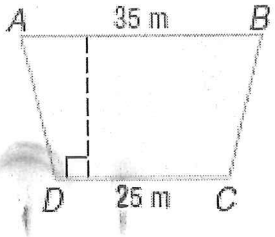


8. Find the missing base if the area = 50 m^2

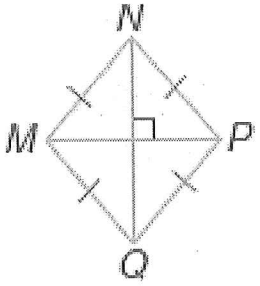


Directions: Find the following for the figures.

9. Find the missing height if the trapezoid's area = 750 m^2

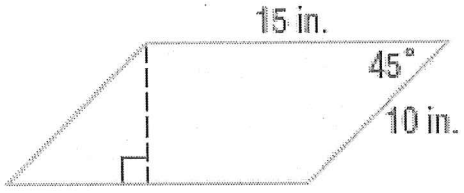


10. Find NQ of the rhombus if the area = 375 in^2

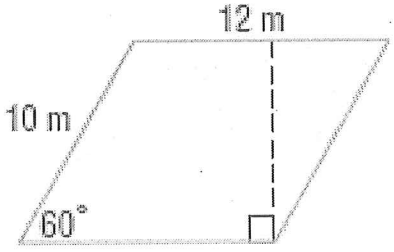


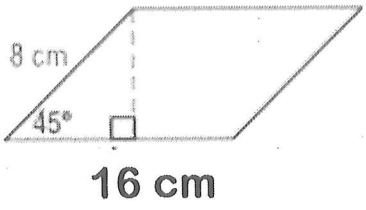
For #11-, find the area using **special right triangles**. Answers must be exact values- no rounding!

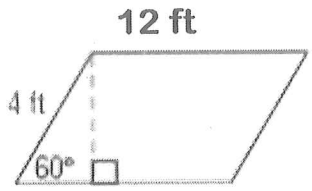
11.

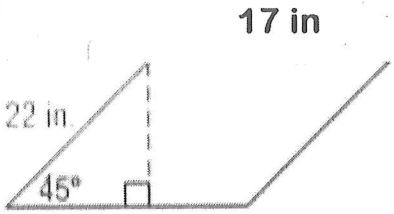


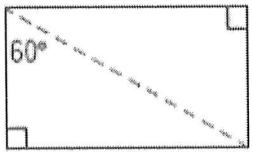
12.



13. 

14. 

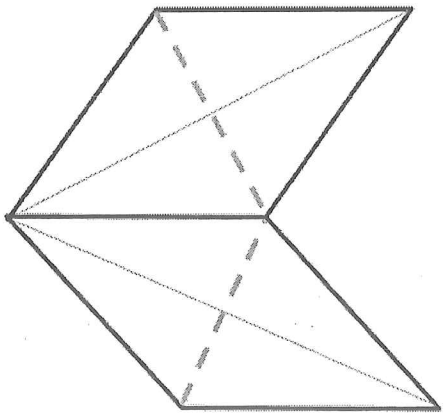
15. 

16. 

17. Keisha designed a garden that is shaped like two congruent rhombi. She wants the long diagonals lined with a stone walkway. The total area of the garden is 150 square feet, the shorter diagonals (dashed) are each 12 feet long.

a.) Find the length of each stone walkway (longer diagonals).

b.) Find the length of each side of the garden.

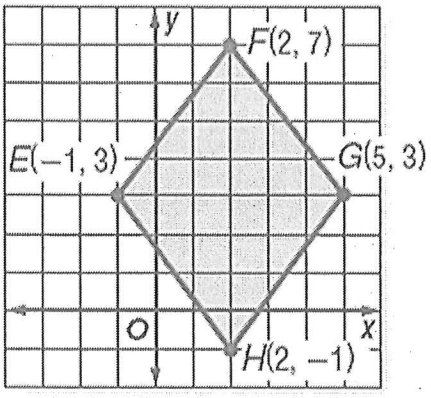


Name: _____

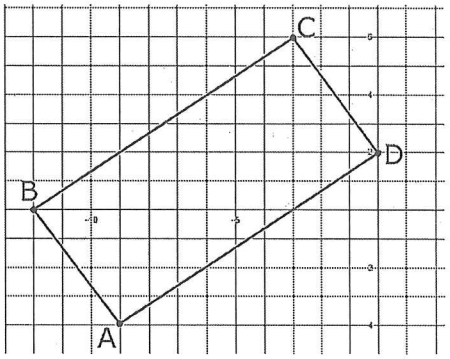
Coordinate Geometry and Composite Figures HW #1

Find the area of each composite figure. You must show all work. Don't forget your units!

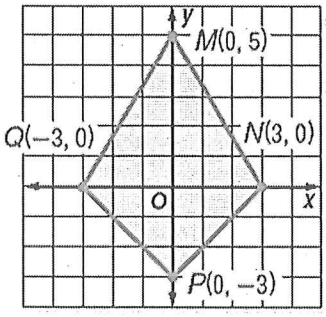
1.



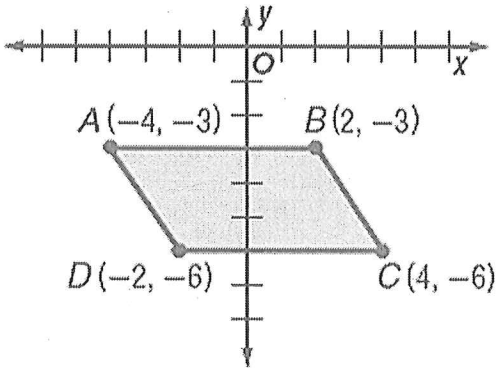
2.



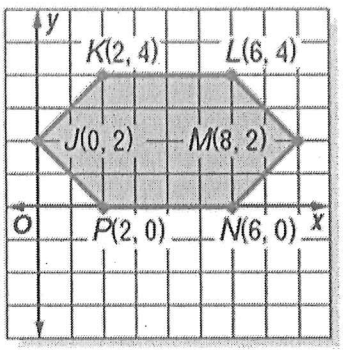
3.



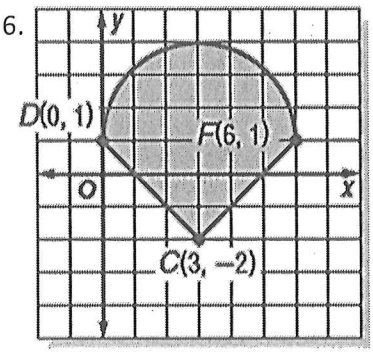
4.



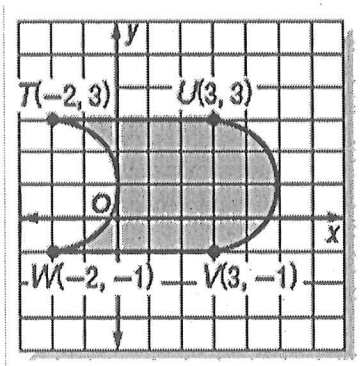
5.



6.



7.

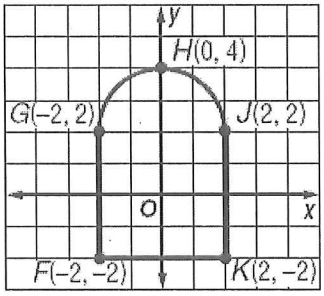


Name: _____

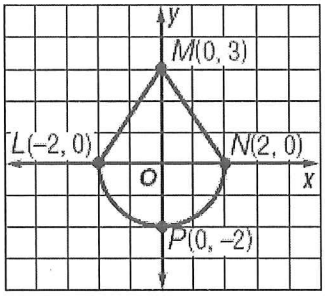
Areas of Composite Figures Homework #2

Find the area of each figure. Round to the nearest tenth.

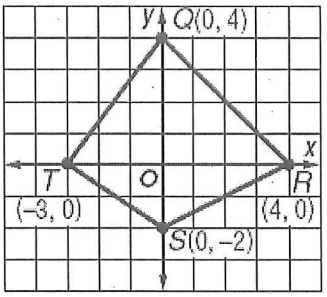
1.



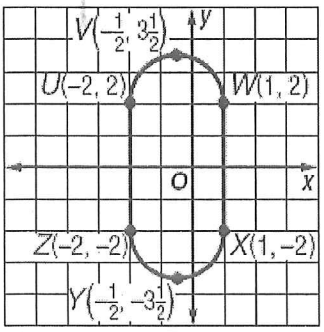
2.



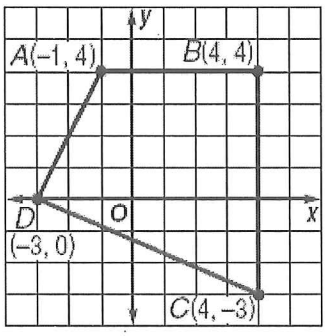
3.



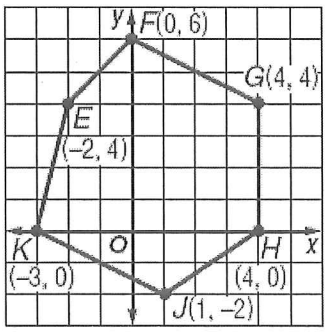
4.



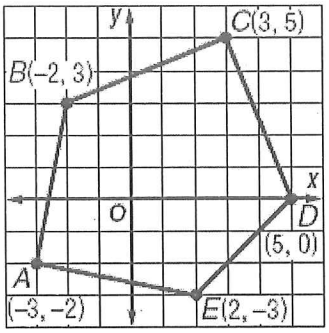
5.



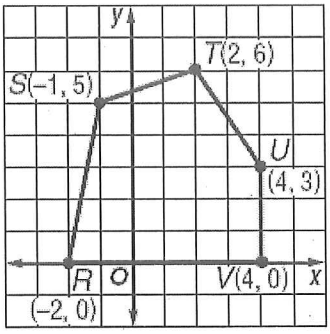
6.



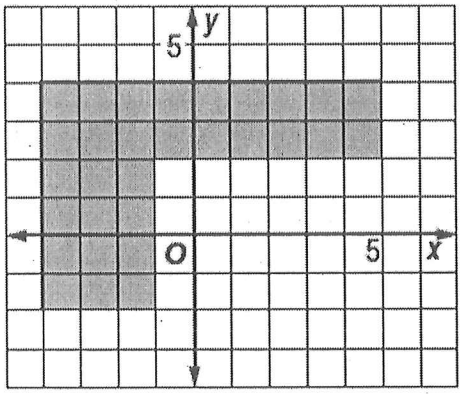
7. pentagon *ABCDE*



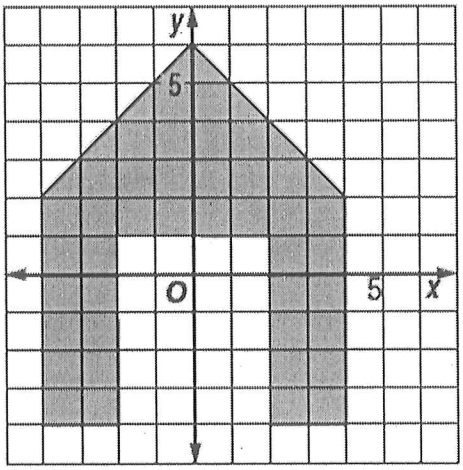
8. pentagon *RSTUV*



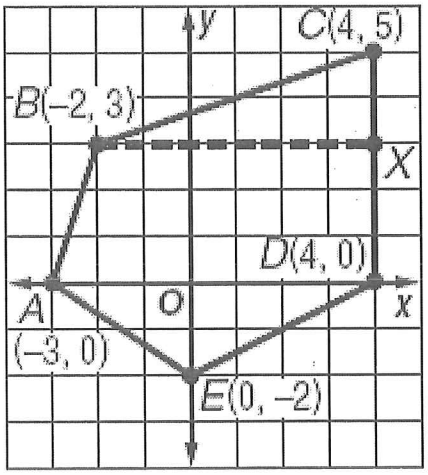
9.



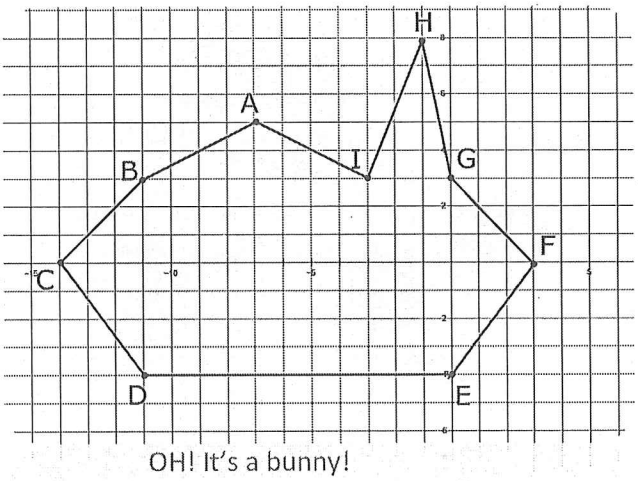
10.



11.



12.



OH! It's a bunny!