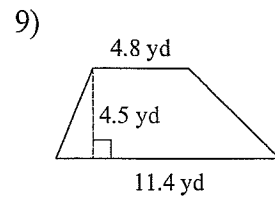
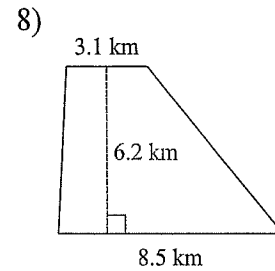
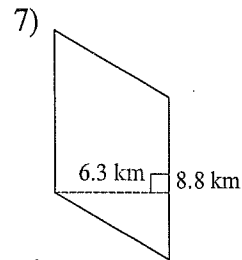
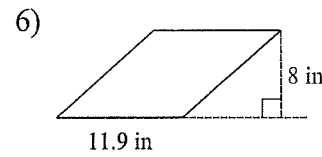
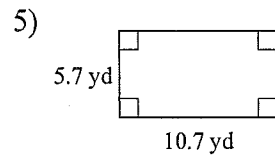
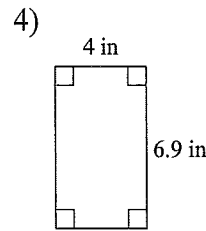
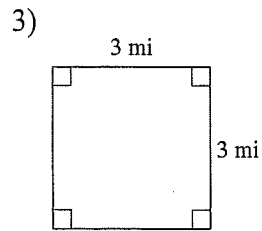
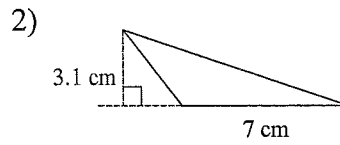
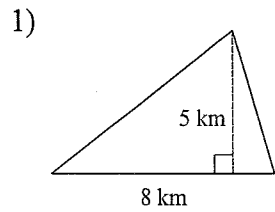


Missing Parts, Composite Figures, & Regular Polygons Date _____ Hour _____

Find the area of each. Show all formulas, work AND circle

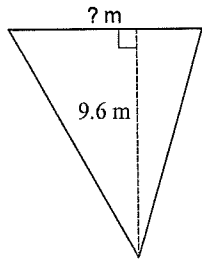


Final
answers
on
all questions

NO work/forms.
will earn
you
NO credit

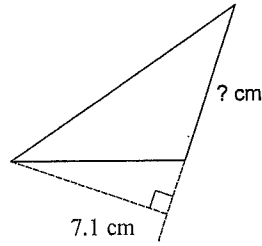
Find the missing measurement. Round your answer to the nearest tenth.

10)



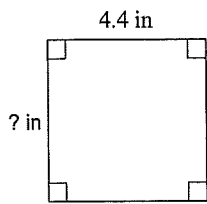
Area = 39.8 m²

11)



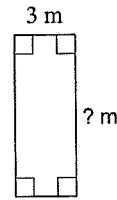
Area = 24.8 cm²

12)



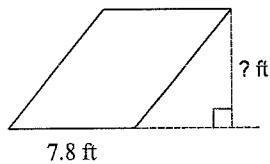
Area = 19.4 in²

13)



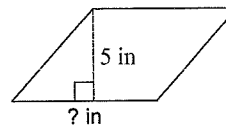
Area = 23.7 m²

14)



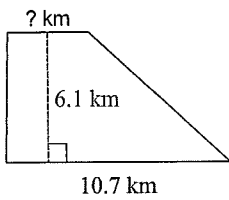
Area = 55.4 ft²

15)



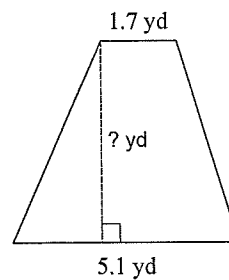
Area = 40 in²

16)



Area = 44.5 km²

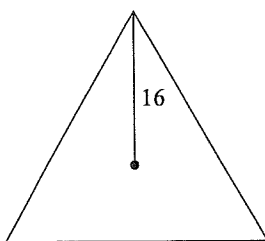
17)



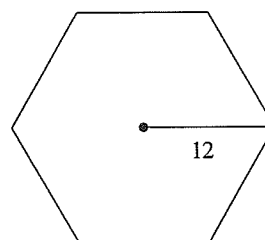
Area = 15.3 yd²

Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

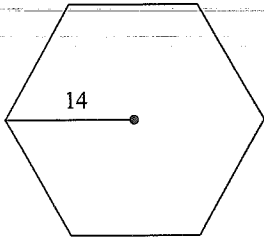
18)



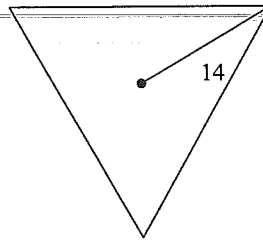
19)



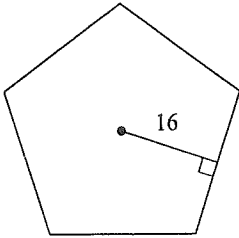
20)



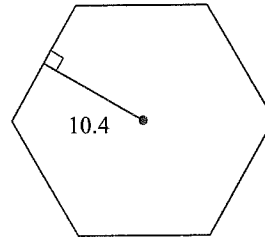
21)



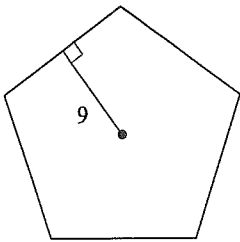
22)



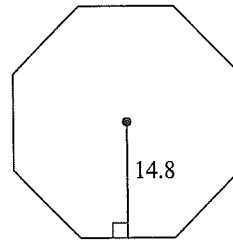
23)



24)

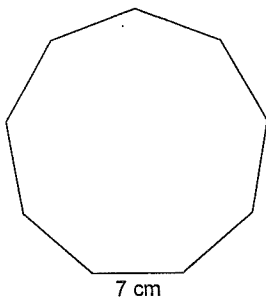


25)

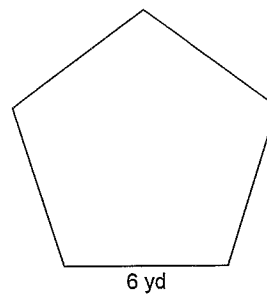


Find the area of each figure. Round your answer to the nearest tenth.

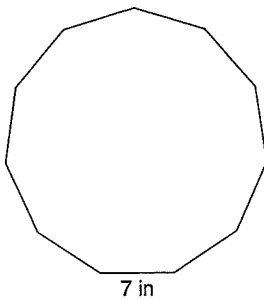
26)



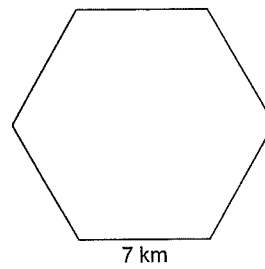
27)



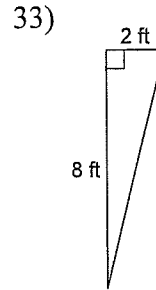
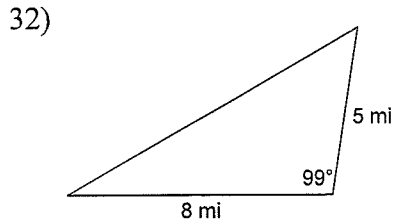
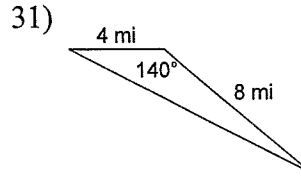
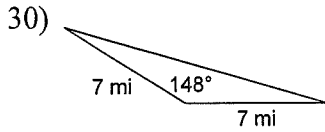
28)



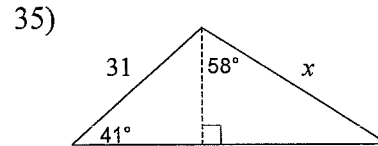
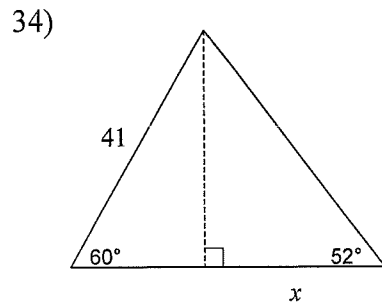
29)



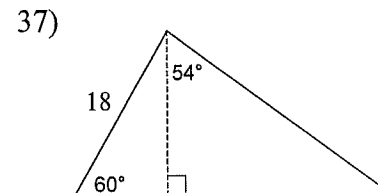
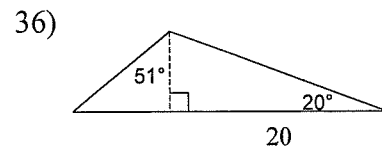
Find the area of each figure. $A = \frac{1}{2}ab\sin C$ Round your answer to the nearest tenth.



Find the length of the side labeled x . Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.



Find the area of each triangle. Round intermediate values to the nearest tenth. Use the rounded values to calculate the next value. Round your final answer to the nearest tenth.



Coordinate Plane Composites

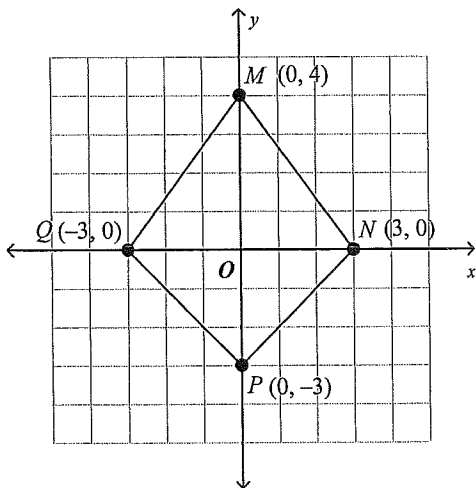
Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Given the coordinates of the vertices of a quadrilateral, determine whether it is a *square*, a *rectangle*, or a *parallelogram*. Then find the perimeter of the quadrilateral.
 $A(-3, -2)$, $B(2, -2)$, $C(4, 2)$, $D(-1, 2)$
- a. parallelogram; $(10 + 4\sqrt{5})$ units
b. rectangle; $(25 + 2\sqrt{5})$ units
c. square; $(5 + 2\sqrt{5})$ units
d. none of these
- _____ 2. Given the coordinates of the vertices of a quadrilateral, determine whether it is a *square*, a *rectangle*, or a *parallelogram*. Then find the area of the quadrilateral.
 $A(2, -3)$, $B(7, -3)$, $C(9, 2)$, $D(4, 2)$
- a. parallelogram; 25 units²
b. rectangle; 20 units²
c. square; 10 units²
d. none of these

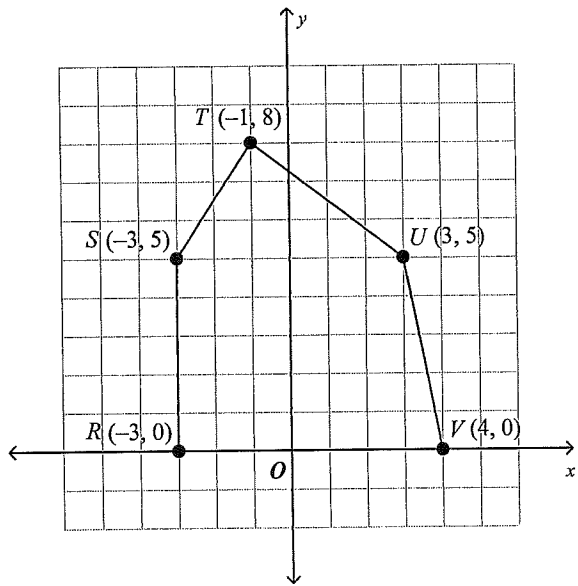
Find the area of the figure. Round to the nearest tenth if necessary.

_____ 3.



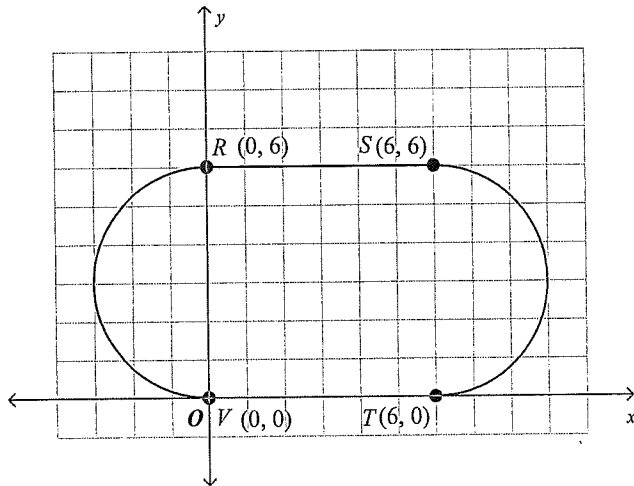
- a. 42 units²
b. 21 units²
c. 33 units²
d. 30 units²

4.



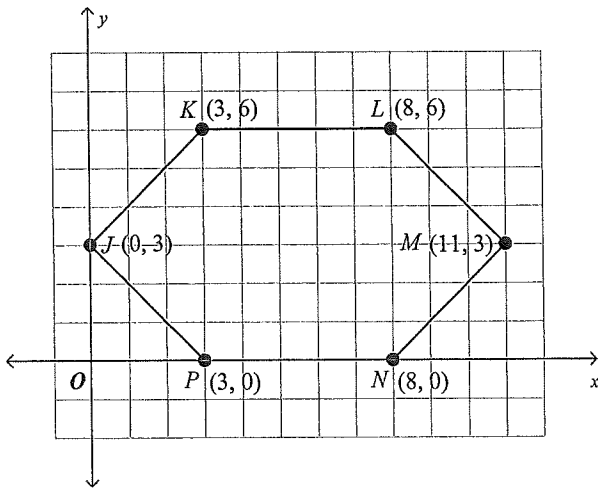
- a. 41.5 units² c. 74 units²
b. 50.5 units² d. 56.5 units²

5.



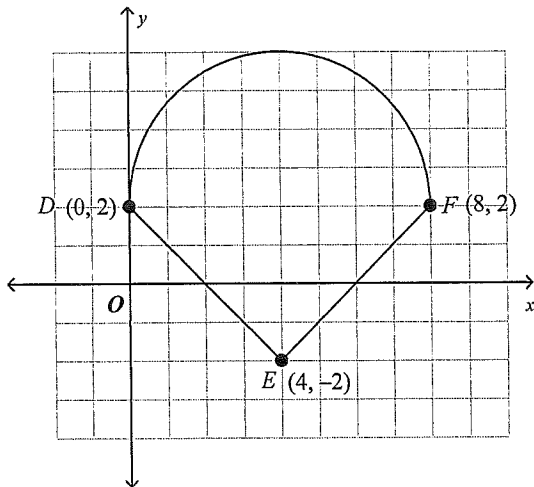
- a. 149.0 units² c. 71.7 units²
b. 58.3 units² d. 64.3 units²

6.



- a. 51 units²
- b. 48 units²
- c. 102 units²
- d. 96 units²

7.

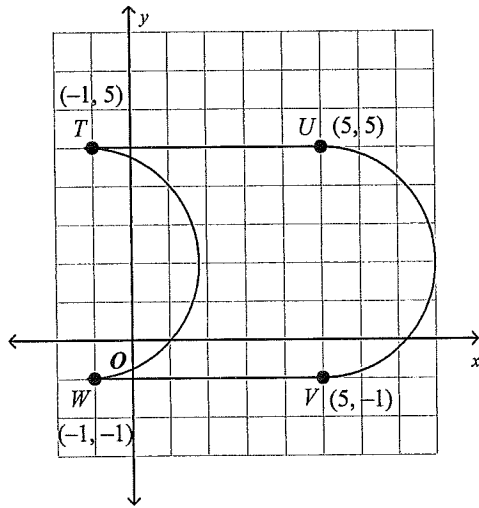


- a. 57.1 units²
- b. 66.2 units²
- c. 47.3 units²
- d. 41.1 units²

Name: _____

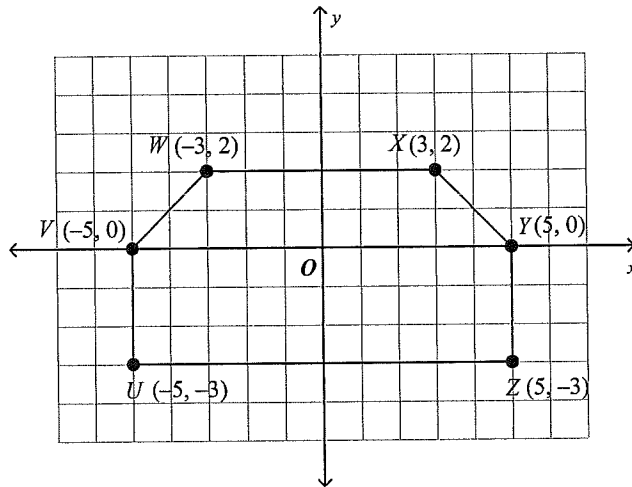
ID: A

8.



- a. 36 units²
- b. 30 units²
- c. 25 units²
- d. 24 units²

9.

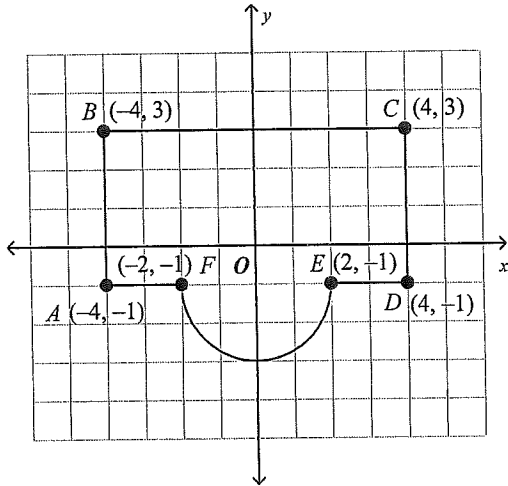


- a. 42 units²
- b. 44 units²
- c. 46 units²
- d. 50 units²

Name: _____

ID: A

10.

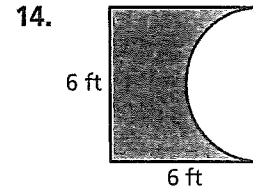
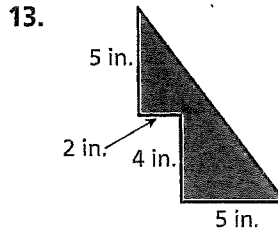
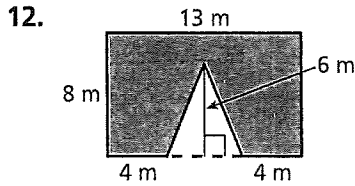


- a. 44.6 units²
- b. 36.3 units²

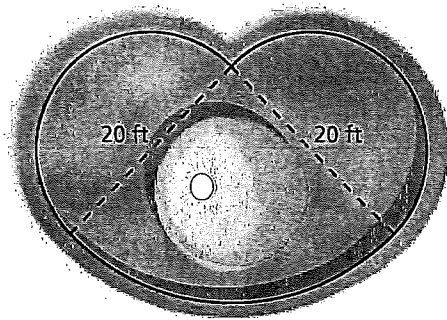
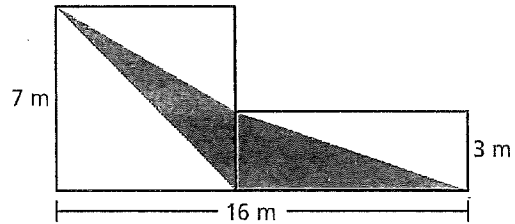
- c. 38.3 units²
- d. 40.5 units²

More Area Practice

Find the area of the figure.

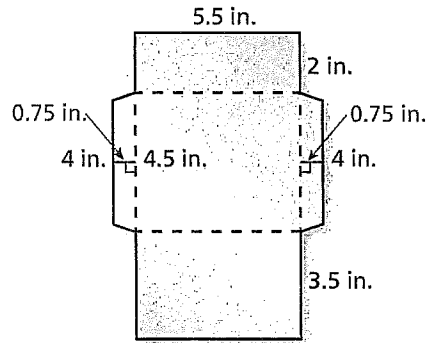
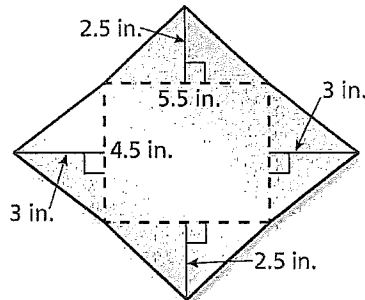


15. **AREA** The figure is made up of a square and a rectangle. Find the area of the shaded region.



16. **FOUNTAIN** The fountain is made up of two semicircles and a quarter circle. Find the perimeter and area of the fountain.

17. **Critical Thinking** You are deciding on two different designs for envelopes.



- Which design has the greater area?
- You make 500 envelopes using the design with the greater area. Using the same amount of paper, how many more envelopes can you make with the other design?



Fair Game Review

What you learned in previous grades & lessons

Write the phrase as an expression.

SECTION 1.2

- | | |
|---------------------------------|---------------------------------------|
| 18. 12 less than a number x | 19. a number y divided by 6 |
| 20. a number b increased by 3 | 21. the product of 7 and a number w |

22. **MULTIPLE CHOICE** What is 0.02% of 50?

SECTION 4.4

- (A) 0.01 (B) 0.1 (C) 1 (D) 100