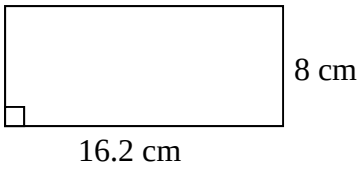
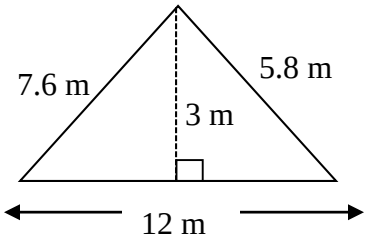
Geometry Name _____
Chapter 1 Review Worksheet- 2013 Date:_____ Period:_____

Directions: Show all work. Round answers to the nearest tenth when necessary.
(# 1- 6) Find the area of each figure. Use calculator π for circles.

1.



2.



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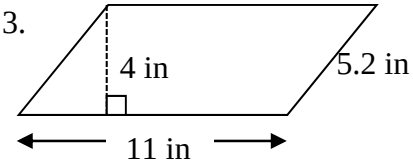

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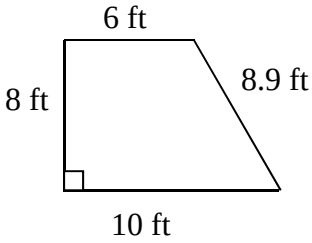

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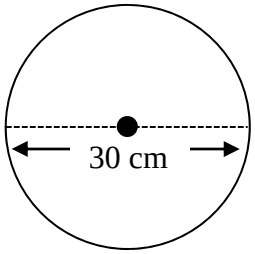
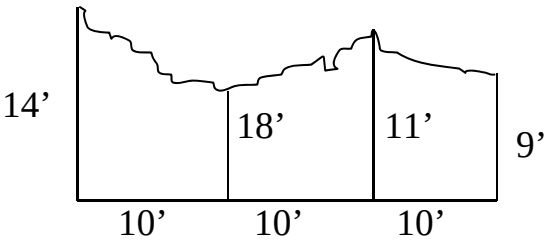


6. Find the approximate area.

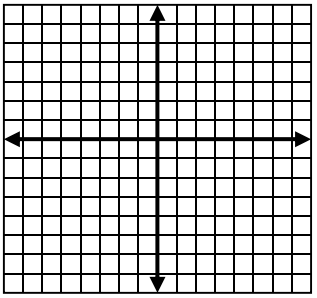


7. Graph the lines listed below on the grid; find the area of the enclosed figure.

$y = -3$

$y = 2x + 3$

$y = -2x + 3$

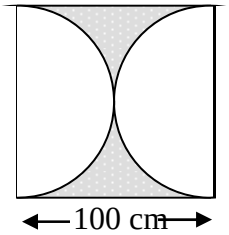


8. Find the side of a square with an area of 121 square inches.

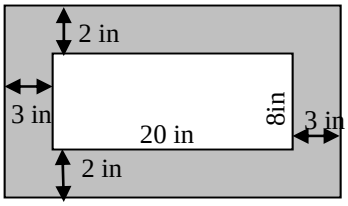
9. Find the diameter of a circle with a circumference of 400 feet.

Find the area of the shaded region.(Pictures are not drawn to scale.)

10.



11.



12. Find the area and perimeter of the rectangle in terms of *x*.

13. Find the height of a triangle with base of 15 cm and an area of 120 square centimeters.

14. Find the area of an equilateral triangle with sides of 40 inches.

15. A rectangular play yard is 24 feet by 20 feet. A fence is to be built around the entire yard. If fencing costs $9.95 per foot, what will be the cost of the fence?

16. A rectangular garden has a 6-ft walkway around it. How many more feet is the outer perimeter of the walkway than the perimeter of the garden?

17. If your teacher asked you to build a rectangular pen of the largest area out of 320 feet of fencing, what dimensions would you make the pen?

18. Find the coordinates of the midpoint of $\overline{QR}$ with endpoints $Q(-9, 14)$ and $R(5, -4)$.

19. If a segment has a midpoint of $(5, 4)$ and one endpoint of $(2, -1)$, find the other endpoint.

20. $\angle 1$ and $\angle 2$ are a linear pair. $m\angle 1 = 67^\circ$. Find $m\angle 2$.