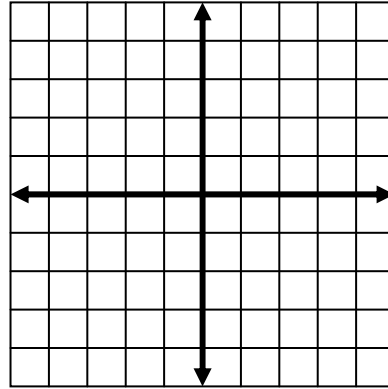
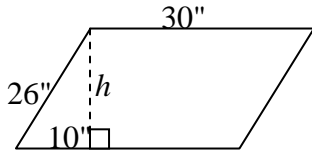


1. Given the points $A(5, -4)$ and $B(-2, 1)$

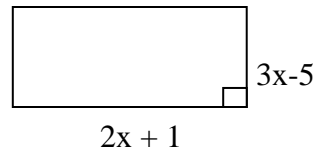
Find AB (find the distance between the points.) Round to nearest tenth.



2. Find h , then find the area of this parallelogram.

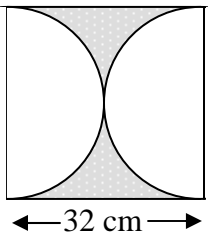


3. Find the area and perimeter of the rectangle in terms of x .

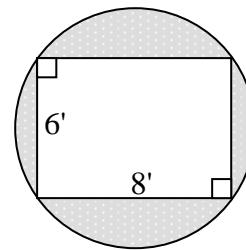


Find the area of the shaded region. (Pictures are not drawn to scale.) Round to nearest tenth, if necessary.

4.



5.



6. A certain bicycle tire travels 500" in 5 revolutions. Round to nearest tenth, if necessary.
- How far does the tire go in one revolution?

- What is the radius of the tire?

7. If the circumference of a circle is 438 inches, what is the diameter?
Round to the nearest tenth.

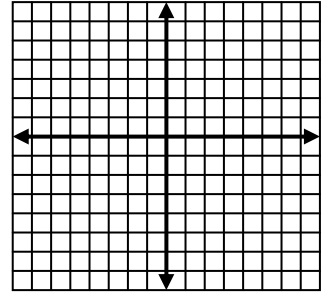
8. Graph these four lines **and** find the area of the enclosed shape.

$$y = 3$$

$$y = x - 2$$

$$y = -2$$

$$x = -3$$



9. If the diagonal of a rectangle is 25 cm, and the length is 24 cm, what is the width of the rectangle? Round to nearest tenth, if necessary.

10. If the area of a circle is 500 cm^2 , what is the diameter?
(Use calculator π , and round to the nearest tenth.)

Use the quadratic formula to solve the following equations. Round to the nearest tenth.

11. $x^2 - 7x - 4 = 0$

12. $3x^2 + 10x + 5 = 0$

Multiply the following binomials.

13. $(2x + 3)(4x - 7)$

14. $(x - 5)(5x - 9)$