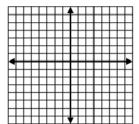
1. In slope-intercept form, write the equation of the line passing through (8, 0) (5, -3).

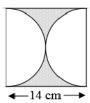
2. In point-slope form, Write the equation of a line parallel to x + 2y = 14 that passes through the point (-10,5).

3. Find the distance between the two points. Round to the nearest tenth, if necessary. (8, 4) (-7, -1)



4. If the area of a circle is  $64\pi m^2$ , find the circumference of the circle in terms of  $\pi$ .

5. Find the area of the shaded region. Round to the nearest tenth.

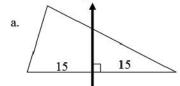


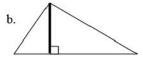
6. Write the inverse of: If people eat apples, then they are healthy.

7. Write the contrapositive of: If I drive carelessly, then I will get a ticket.

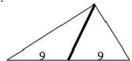
8. Find a counter-example to: If a number is bigger than 5, then the square of the number is at least 36.

## 9. Name each segment or line as an angle bisector, median, altitude, or perpendicular bisector.

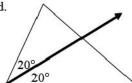




c.



d.



## 10. The three medians intersect in $\triangle ABC$ at point P.

a. If 
$$AC = 34$$
 cm, then  $CY = _____$ .

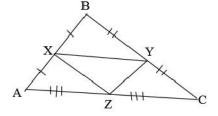
b. If 
$$PZ = 6$$
 cm, then  $CP = _____$ .

c. If 
$$BY = 99$$
 cm, then  $PY = _____$ .



d. If the area of 
$$\triangle PAZ = 11cm^2$$
, then the area of  $\triangle ABC =$  \_\_\_\_\_.

11.



a. 
$$\overline{AB} // _____.$$

b. If 
$$AC = 66$$
 in., then  $XY = ____.$ 

c. If 
$$YC = 23$$
 in., then  $XZ = ____.$ 

d. If 
$$AX = 14$$
 in., then  $BX = _____$ .

e. Use the information from parts b through d to find the Perimeter of  $\Delta XYZ$ .