

## Quiz Review

### QUIZ REVIEW :)

Write the equation of a line passing through the given point that satisfies the following condition:

1. Parallel to  $5x - 2y = 4$   
passing through  $(-4, 2)$

2. Perpendicular to  $-3x + 2y = 7$   
passing through  $(6, 5)$

Write the standard equation of a circle with the given radius:

3.  $r = 4$  ;  $C(0, 0)$

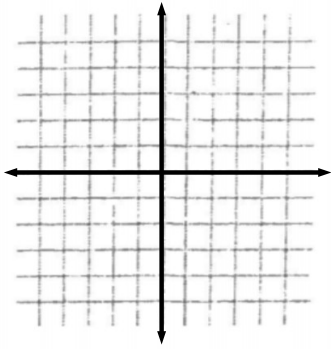
4.  $r = 2.5$  ;  $C(-2, 1)$

5.  $r = 24$  ;  $C(-3, -3)$

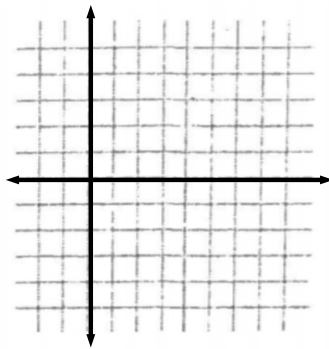
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Graph each circle, labeling the center and radius.

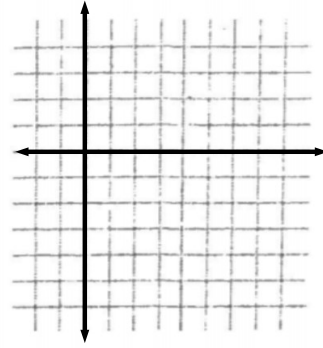
6.  $x^2 + y^2 = 9$



7.  $x^2 + (y - 5)^2 = 16$



8.  $(x - 3)^2 + (y + 3)^2 = 25$



Write the standard equation of each circle. Then state the center and radius.

9.  $x^2 + y^2 - 10x - 16y + 88 = 0$

10.  $x^2 + y^2 + 22x - 2y = -120$

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Graph:

11.  $(x - 4)^2 + (y + 2)^2 = 16$

