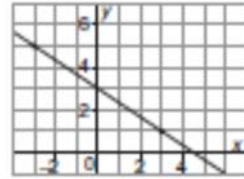


Chapter 6 Checkpoint

1. Given the graph write the equation of the line in:

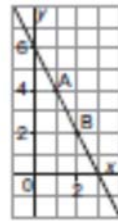
a) Point-Slope form



b) Slope-intercept form

2. Given the graph write the equation of the line in:

a) Point-Slope form



b) Slope-intercept form

3. Write an equation for the line that passes through $A(4,3)$ and is parallel to the line $y = \frac{-1}{2}x + 2$.

a) Point-Slope form

b) Slope-intercept form

Foundations Pre Calculus 10

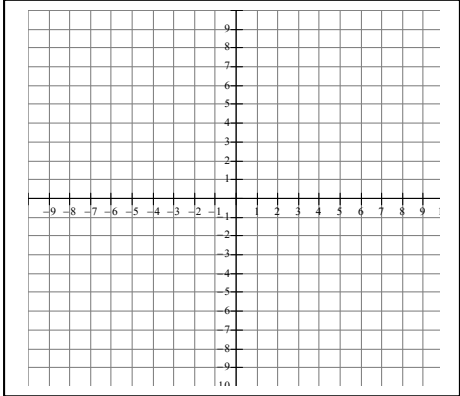
4. Write an equation for the line that passes through A(-4,1) and is perpendicular to the line $y = \frac{2}{3}x + 6$

a) Point-Slope form

b) Slope-intercept form

5. The equation of a line is $y = mx + 2$ Determine the value of m when the line passes through the point (-5, 1).

6. Given ΔABC with vertices A(1,1) B(10,-2) C(7,4) determine if the triangle is a right angle triangle.



AB=

AC=

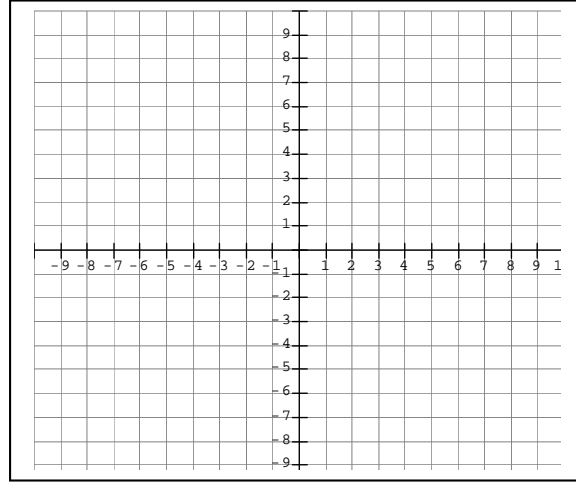
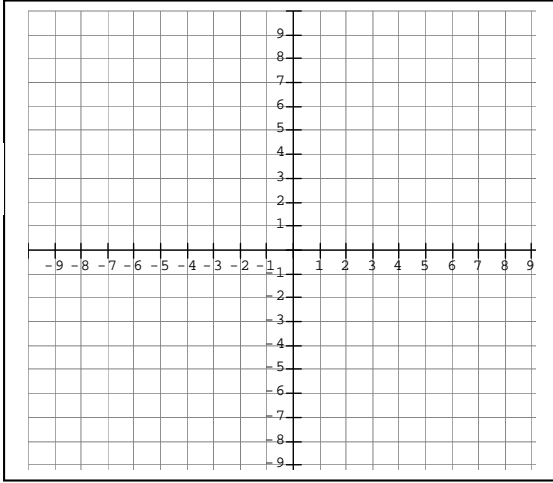
BC=

Circle: Yes or No, Explain your answer: _____

7. Graph the lines on the grids. PLOT THREE POINTS MINIMUM.

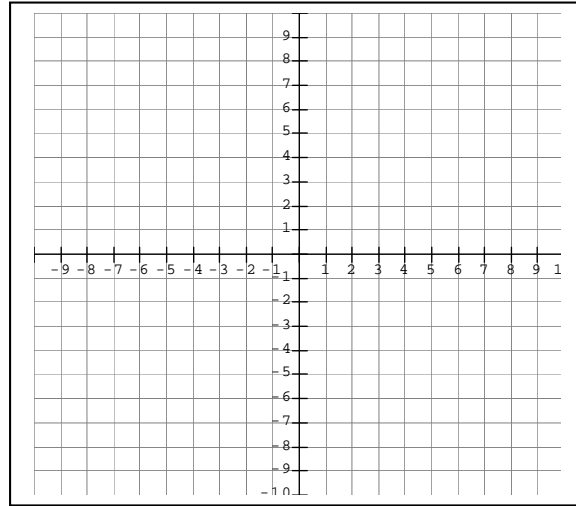
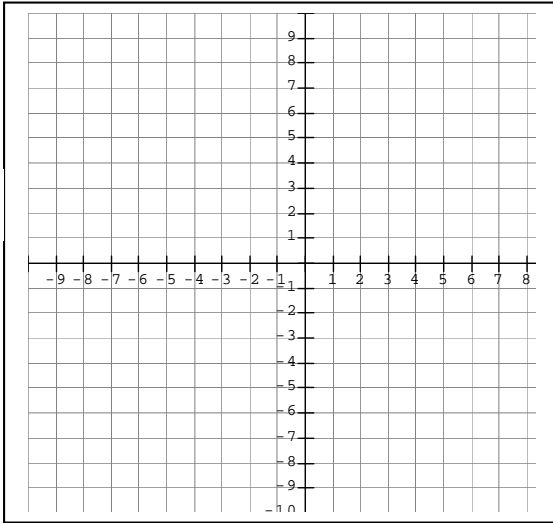
a) through point (3, -2); slope = $\frac{3}{5}$

b) $y = -3x + 5$



c) y-intercept = 2; slope = $-\frac{2}{3}$

d) $y = \frac{2}{5}x$



e) $y + 6 = \frac{3}{2}(x - 5)$

e) $y - 2 = 3(x - 1)$

