Algebra 1 (3206) Name:_____

Final Exam Review Ch. 6

Write the equation of the line in point-slope form and then graph:

1. $(3, -4); m = 2$

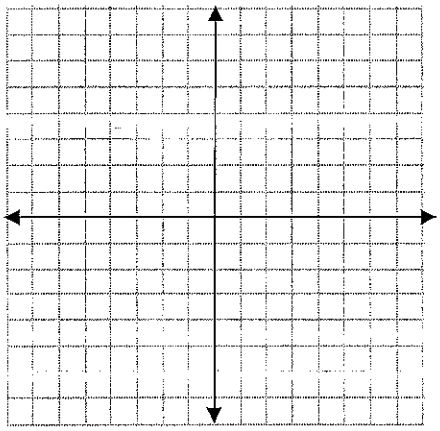
2. $(-1, 5); m = \frac{-4}{3}$

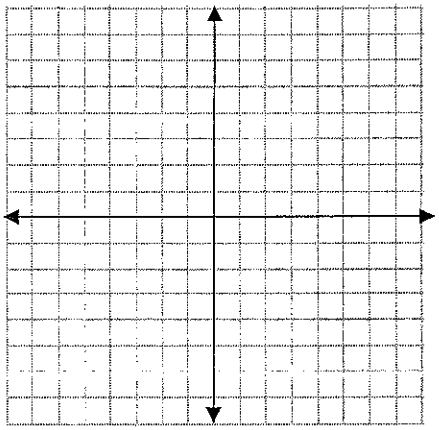
3. $(2, 3); m = \frac{1}{4}$

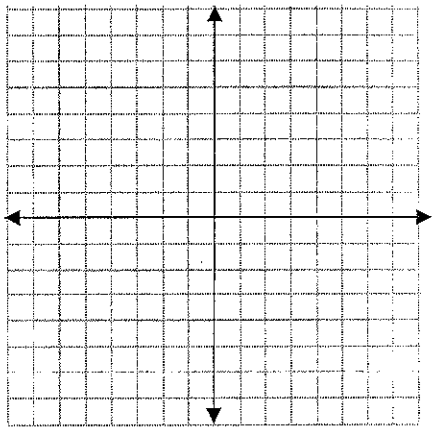
equation:_____

equation:_____

equation:_____







A line passes through the given points.

1) **Write the equation of the line in point-slope form**
2) **Re-write the equation in slope-intercept form**

4. (6,-4), (-3, 5)

5. (-3, -4), (3, -2)

point-slope form:_____

point-slope form:_____

slope-intercept form:_____

slope-intercept form:_____

Write the equation for the line that is PARALLEL to the given line and that passes through the given point:

6. $(1, 3); y = -4x + 5$

7. $(4, 0); y = \frac{3}{2}x + 9$

8. $(4, -1); y - x = -3$

equation:_____ equation:_____ equation:_____

Write the equation for the line that is PERPENDICULAR to the given line and that passes through the given point:

9. $(-5, 5); y = -5x + 9$

10. $(12, -6); y = 4x + 1$

11. $(6,4); y - 3x = -2$

equation:_____ equation:_____ equation:_____