Geometry   Name_____
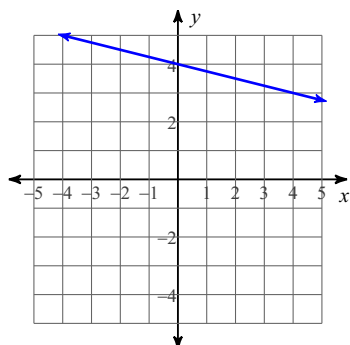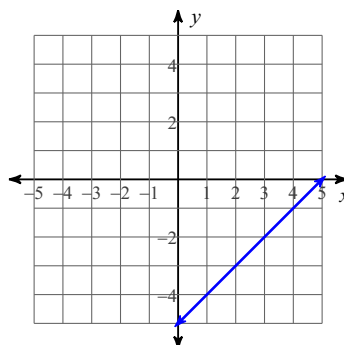
Parallel & Perpendicular through a point

Date_____

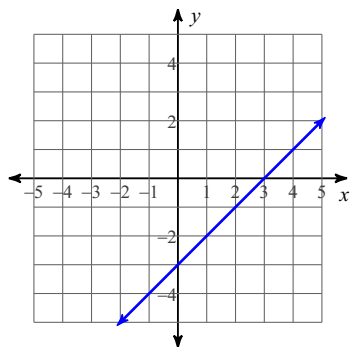**Given the graph create a line parallel and through the point (-1, 3)**
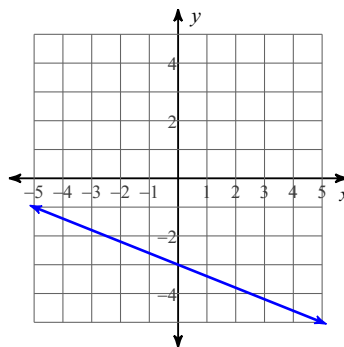
1)

2)

Given the graph create a line perpendicular and throught the point (2, -1)

3)

4)

Write an equation of a line parallel to the given line and through the point (-3, 4)

5) $y = 3x - 3$

6) $-18 + 9y = 3x$

Write an equation of a line perpendicular to the given line and through the point (5, -1)

7) $y = 5x + 2$

8) $-6 - 5x = -3y$

Write an equation of a line parallel to the given points and through (3, 4)

9) through: $(2, 4)$ and $(0, 0)$

10) through: $(2, 4)$ and $(3, 2)$

Write an equation of a line perpendicular to the given points and through (0, -2)

11) through: $(5, -4)$ and $(3, 2)$

12) through: $(-1, -5)$ and $(0, 2)$