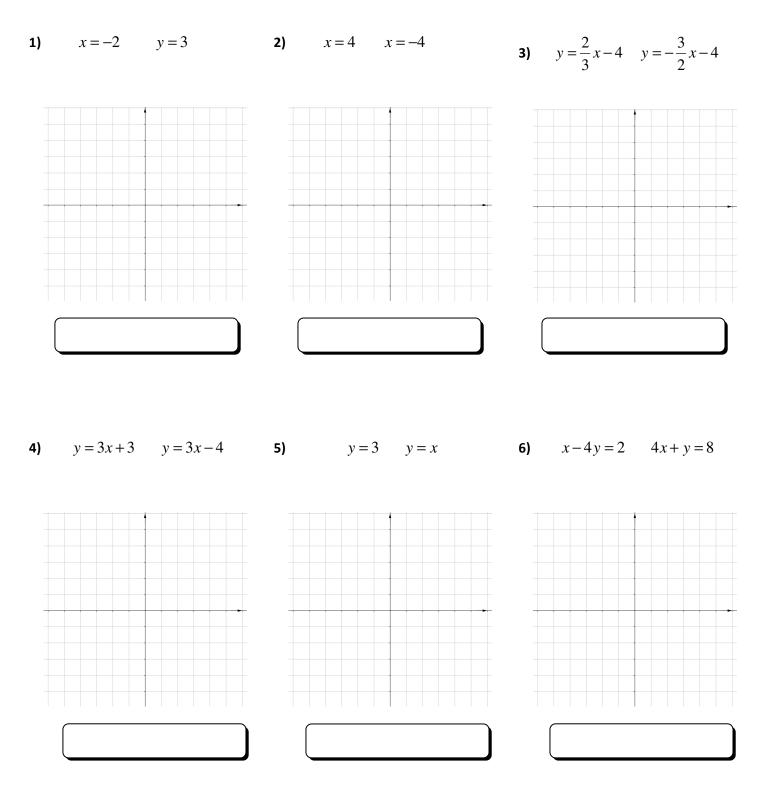
## DETERMINING PARALLEL AND PERPENDICULAR LINES

## > Determine if the following lines are Parallel, perpendicular or neither by graphing them.



- Determine if the following lines are parallel, perpendicular or neither by finding the slopes of the lines.  $\triangleright$
- and the line that contains the points (1, 3) and (-2, -4).
- 7) The line that contains the points (-3, 2) and (4, -1) 8) The line that contains the points (-5, 0) and (0, 2)and the line that contains the points (5, 1) and (0, -1).

Equation:



Find the equation of the line that contains the point (1, 1) and is parallel to the line x = 49)

**10)** Find the equation of the line that contains the point (1, 1) and is perpendicular to the line x = 4

- Equation: **11)** Find the equation of the line that contains the point (2, -5) and is perpendicular to the line  $y = \frac{5}{2}x - 4$
- Equation: **12)** Find the equation of the line that contains the point (2, -5) and is parallel to the line  $y = \frac{5}{2}x - 4$

Equation: