

For each of the following, use the information given to find the equation of the line. Then graph the line.

1. Through the point (3, 2) parallel to the line  $y=3x-4$

2. Through the point (-5, 2) perpendicular to the line  $3x-2y=7$

3. x-intercept of 3, perpendicular to the line  $y=4$

4. y-intercept of 7, parallel to the line  $x+4y=12$