

Must show all steps and all work to earn full credit.

Write an equation of the line through the given point with the given slope. Write the equation in standard form.

1) $(4, 5)$; $m = -\frac{4}{9}$

Write an equation of the line through the given pair of points. Write the equation in slope intercept form.

2) $(-2, 8)$ and $(1, -5)$

Write an equation of the line through the given pair of points. Write the equation in standard form.

3) $(2, -7)$ and $(0, -2)$

Solve the problem.

- 4) A moving firm charges a flat fee of \$35 plus \$30 per hour. Let y be the cost in dollars of using the moving firm for x hours. Find the slope-intercept form of the equation.

Graph the linear equation.

5) $2x - y = -4$

