NAME: \_\_\_\_\_

FINAL REVIEW #7

DATE: \_\_\_\_\_

ALGEBRA 1A

## Solve the following proportions:

1. 
$$\frac{x}{x+5} = \frac{2}{3}$$
 2.  $\frac{7}{2x-3} = \frac{4}{x}$ 

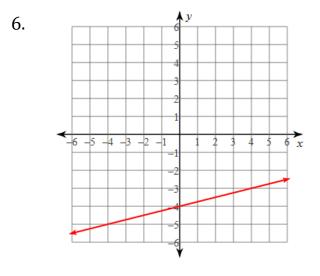
Find the	equation	of the	line	in
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n: a) Slope-intercept form b) Standard form

3. slope = 2 and *y*-intercept = -3

4. through (-5,6) and slope = 
$$\frac{1}{5}$$

5. through (1,0) and (-2,-6)



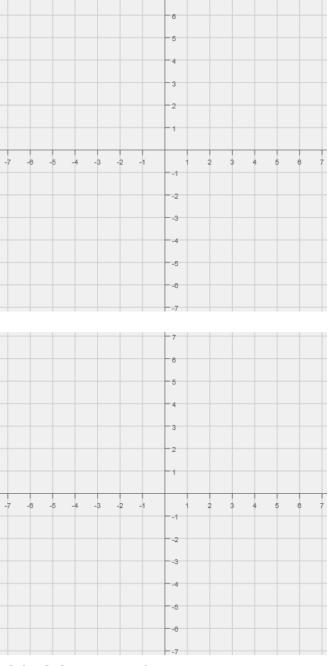
Using the equation: 2x + y = 67. Find the slope of the line

8. Find the equation of the line parallel to the given line, passing through (0,3) in slope-intercept form.

9. Find the equation of the line perpendicular to the given line, passing through (2,2) in standard form.

Graph the following equations:

10. 
$$y = \frac{-3}{4}x + 1$$



11. 4x - y = -3

12. Graph the following two equations and find the point of intersection:

$$x = -5 \qquad \qquad y = 2$$

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