

Elementary Algebra Chapter 3 Test Review

1. Graph:

$y = \frac{-3}{2}x + 4$	$6x - 12y = 3$
$4x - y = 2$	$\frac{1}{3}x - \frac{1}{4}y = \frac{1}{6}$

2. Find the intercepts of:

$24x - 6y = 8$	$\frac{1}{5}x - 2y = 3$
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3. Find the slope of the line that passes through the points (-5, -2) and (8, -9)

4. Find the equation of the line that has slope of 5 and passes through the point (3, 7)

5. Find the equation of the line that passes through the points:

(1, 3) and (4, 9)	(-3, -5) and (2, -8)
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6. Given a point and a line that it is parallel to, find the equation of the line:

Find the equation of the line that is parallel to $4x - 3y = 6$ and passes through the point: (5, 2)	Find the equation of the line that is parallel to $y = 7x - 2$ and passes through the point: (3, -1)
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7. Given a point and a line that it is perpendicular to, find the equation of the line:

Find the equation of the line that is perpendicular to $y = \frac{-1}{6}x - 3$ and passes through the point (3, 4)	Find the equation of the line that is perpendicular to $5x - 4y = 8$ and passes through the point (-1, -2)
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