

Parallel and Perpendicular Lines

Sheet 2

- 1) Write the equation of the line m having the y-intercept -9 and perpendicular to the line n which has a slope of $\frac{3}{7}$.

- 2) Write the equation of the line having the y-intercept -2 and line parallel to the line $y = -6x + 14$.

- 3) Find the equation of the line having the y-intercept 3 .

- 4) Find the equation of the line whose slope is -2 .

- 5) Find the equation of the line perpendicular to $y = -9x - 12$ and having the y-intercept 11 .

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Parallel and Perpendicular Lines

- 1) Write the equation of the line m having the y-intercept -9 and perpendicular to the line n which has a slope of $\frac{3}{7}$.

$$y = -\frac{7}{3}x - 9$$

- 2) Write the equation of the line having the y-intercept -2 and line parallel to the line $y = -6x + 14$.

$$y = -6x - 2$$

- 3) Find the equation of the line having the y-intercept 3 .

$$y = -4x + 3$$

- 4) Find the equation of the line whose slope is -8 and y-intercept 5 .

$$y = -8x + 5$$

- 5) Find the equation of the line perpendicular to $y = -9x - 12$ and having the y-intercept 11 .

$$y = \frac{1}{9}x + 11$$

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