

Parallel and Perpendicular Lines

- 1) Write the equation of the line perpendicular to the line $y = 3x + 8$ and having the y-intercept 2.

- 2) Write the equation of the line having the y-intercept -6 and perpendicular to $y = \frac{5}{7}x - 11$.

- 3) Write the equation of the line m which has a slope of $-\frac{1}{2}$ and is parallel to the line $y = 2x + 3$.

- 4) Find the equation of the line n which has a y-intercept 9 and is perpendicular to the line $y = 4x - 5$.

- 5) Write the equation of the line p having the y-intercept 12 and perpendicular to the line q which has a slope of $-\frac{2}{7}$.

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