

Parallel and Perpendicular Lines

Sheet 1

- 1) Write the equation of the line parallel to the line $y = 2x + 7$ and having the y-intercept 4.

- 2) Write the equation of the line l having the y-intercept 6 and perpendicular to the line m which has a slope of 9.

- 3) Find the equation of the line u having the y-intercept -5 and parallel to the line v whose slope is -1 .

- 4) Find the equation of the line perpendicular to the line $y = x + 9$ and having the y-intercept -3 .

- 5) Write the equation of the line having the y-intercept 7 and parallel to $y = \frac{2}{5}x - 10$.

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$$y = 2x + 4$$

- 2) Write the equation of the line l having the y-intercept 6 and perpendicular to the line m which has a slope of 9.

$$y = -\frac{1}{9}x + 6$$

- 3) Find the equation of the line u having the y-intercept -5 and parallel to the line v whose slope is -1 .

$$y = -x - 5$$

- 4) Find the equation of the line perpendicular to the line $y = x + 9$ and having the y-intercept -3 .

$$y = -x - 3$$

- 5) Write the equation of the line having the y-intercept 7 and parallel to $y = \frac{2}{5}x - 10$.

$$y = \frac{2}{5}x + 7$$