

Name : _____

Parallel and Perpendicular Lines

Sheet 1

- 1) Equation of a line m is $y = px + 5$. Equation of a line n is $2y = -12x - 10$. The lines m and n are parallel. Find the value of p .

$p =$ _____

- 2) If the lines $y = cx - 6$ and $4x + y - 3 = 0$ are perpendicular, find the value of c .

$c =$ _____

- 3) The lines u and v are perpendicular. Equation of line u is $y = qx - 10$ and equation of line v is $y = qx - 10$. Find the value of q .

$q =$ _____

- 4) The lines $y = -\frac{h}{9}x + 12$ and $3x + 4y = 12$ are perpendicular. Find the value of h .

$h =$ _____

- 5) The line $2y - 5x = 14$ is parallel to the line $y = -kx - 7$. Find the value of k .

$k =$ _____

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