

Parallel or Perpendicular? | Equations & slopes

- 1) The equation of the line p is $-2y = -8x - 15$, and the slope of the line q is 4. Prove that the lines are parallel.
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- 2) If the equation of a line t is $3y = 6x - 18$. Equation of a line q is $7y = -\frac{7}{2}x - 21$. Prove that the lines are perpendicular.

Preview

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- 3) If $k = \frac{1}{2}$, find the equation of the line passing through the point $(-2, 3)$ and perpendicular to the line $2x + 3y = 12$.
4) E
P
- 5) Equation of the lines are $y = -2x - 1$ and $10y = 5x + 1$. Prove that the lines are perpendicular.
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