Name : _____

Parallel and Perpendicular Lines

1) Equation of a line *m* is $-y = -9x + 4$. Slope of a line *p* is 9. Prove that the lines are parallel.

   _____

2) Equation of a line *t* is $3y = 6x - 18$. Equation of a line *q* is $7y = -\dfrac{7}{2}x - 21$. Prove that the lines are perpendicular.

   _____

3) Equation of two li   the lines parallel?
   Justify your answe

   _____

4) Equation of $\overleftrightarrow{CD}$ is   Are the lines parallel or perpendicular? Ju

   _____

5) Equation of the lines are $3y = -6x + 9$ and $10y = 5x - 20$. Prove that the lines are perpendicular.

   _____

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