## Parallel or Perpendicular? | Points \& Slopes

1) A line passes through ( $1,-4$ ) and $(2,2)$. Another line passes through $(0,2)$ and $(12,0)$. Prove that the lines are perpendicular.
2) A line passes through $A(0,3)$ and $B(3,1)$. Another line passes through $C(-2,-5)$ and

## Preview

3) 


4)

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5) A line passes through $K(3,-2)$ and $L(-5,2)$. Another line passes through $M(-2,4)$ and $N(0,3)$. Prove that $\overleftrightarrow{K L}$ and $\overleftrightarrow{M N}$ are parallel.

