## Parallel and Perpendicular Lines

Sheet 4

1) Equation of line j is y = -7x + 5. Equation of line k is -7y = -x + 14. Prove that the lines are perpendicular.

2) Equation of  $\overrightarrow{AB}$  is y - 6x - 5 = 0. Equation of  $\overrightarrow{BC}$  is 2y = 12x + 9. Are the lines parallel or perpendicular? Justify your answer.

## **PREVIEW**

3) Equation of a line *f* parallel.

Gain complete access to the largest collection of worksheets in all subjects!

that the lines are

4) Equation of KL is −!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

. Prove that KL⊥OP.

5) Equation of the lines are 9y - 12x + 6 = 0 and  $-2y = -\frac{8}{3}x + 1$ . Are the lines parallel or perpendicular? Justify.