Practice worksheet | Functions and straight-line graphs

Finding a line from points or gradient

Name: _____ Date: _____

6 questions | 12 marks

1. Find the line of gradient 4 through (2,1). [2 marks]

2. Find the line through (-1,2) and (3,10). [2 marks]

3. A line meets the axes at (6,0) and (0,3). Find its equation. [2 marks]

4. Find the equation through (-4,2) and (-4,9). [2 marks]

5. A taxi fare is linear. A 2 km trip costs 11 dollars and a 7 km trip costs 23.50 dollars. Find a fare model. [2 marks]

6. Does $y = 3x - 1$ pass through both (2,5) and (4,10)? Explain. [2 marks]