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]