Practice worksheet | Functions and straight-line graphs

Gradient and intercepts

Name: _____ Date: _____

6 questions | 13 marks

1. Find the gradient through $(1, 2)$ and $(5, 10)$. [2 marks]

2. Find the gradient through $(-3, 6)$ and $(1, -2)$. [2 marks]

3. Find both intercepts of $2x + 5y = 20$. [2 marks]

4. State the gradient of $y = 8$ and the gradient of $x = -2$. [2 marks]

5. In $C = 15 + 2.4h$, where C is dollars and h is hours, interpret the gradient. [2 marks]

6. A line passes through $(0, 5)$ and $(2, 1)$. Find its x-intercept. Sketch the line and label both axis intercepts. [3 marks]

