Practice worksheet | Linear equations and graphs

Gradient as rise/run

Name: _____ Date: _____

6 questions | 14 marks

1. Find the gradient through $(1, 2)$ and $(4, 8)$. [2 marks]

2. Find the gradient through $(-3, 5)$ and $(1, -3)$. [2 marks]

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

4. Describe the gradient of the line $x = 4$. [2 marks]

5. A tank contains 80 L at 2 minutes and 50 L at 8 minutes. Find the average gradient and explain it. [3 marks]

6. Two points on a line are $(-2, 3)$ and $(4, k)$. Its gradient is $\frac{2}{3}$. Find k. [3 marks]