Practice worksheet | Ratios and rates

Direct-proportion tables and graphs

Name: _____ Date: _____

6 questions | 12 marks

1. A table has x-values 1, 2, 4 and y-values 5, 10, 20. Find k in $y = kx$. [2 marks]

2. For $y = 7x$, find y when x is 0, 2 and 5. [2 marks]

3. Six identical tickets cost AUD 45 with no fee. Find the cost of nine tickets. [2 marks]

4. Explain whether $y = 6x$ represents direct proportion. [2 marks]

5. A table contains $(1, 4)$, $(2, 7)$, $(3, 10)$. Is y directly proportional to x? Explain. [2 marks]

6. Using the supplied graph, how long does it take to travel 80 km? [2 marks]

