Practice worksheet | Linear equations and graphs

Straight-line equations and intercepts

Name: _____ Date: _____

6 questions | 14 marks

1. State the gradient and y-intercept of $y = 4x - 7$. [2 marks]

2. Find both intercepts of $y = -2x + 8$. [3 marks]

3. Write $4x + 2y = 10$ in gradient-intercept form. [2 marks]

4. Give three points on $y = \frac{3}{2}x + 1$ using $x = 0, 2, 4$. [3 marks]

5. Does the point $(3, -1)$ lie on $y = 2x - 7$? Explain. [2 marks]

6. Describe and sketch the line $x = -2$. [2 marks]

