Practice worksheet | Linear equations and graphs

How coefficients change a graph

Name: _____ Date: _____

6 questions | 14 marks

1. What is the output at $x = 0$ for $y = 4x - 3$? [2 marks]

2. For $y = 5x + 2$, what happens to y when x increases by 1? [2 marks]

3. Describe the change from $y = 2x - 1$ to $y = 2x + 3$. [2 marks]

4. Compare $y = x + 1$ and $y = 3x + 1$ at $x = 2$ and $x = -2$. [3 marks]

5. Which of $y = 2x + 5$ and $y = -2x + 5$ decreases as x increases? [2 marks]

6. Explain why $y = 3x + 1$ and $y = 3x - 2$ never meet. [3 marks]