

7.5 Key Concepts 2 Equation of a Horizontal Line Worked Example

Example: Write the equation of a horizontal line passing through the point $(-2, 5)$.

Solution: A horizontal line has a constant value of y for all points. The equation of the line is

$$y = 5$$

Practice:

1. Write the equation of a horizontal line passing through the point $(-1, -3)$.

2. Write the equation of a horizontal line passing through the point $(4, -4)$.

Answers: 1. $y = -3$ 2. $y = -4$