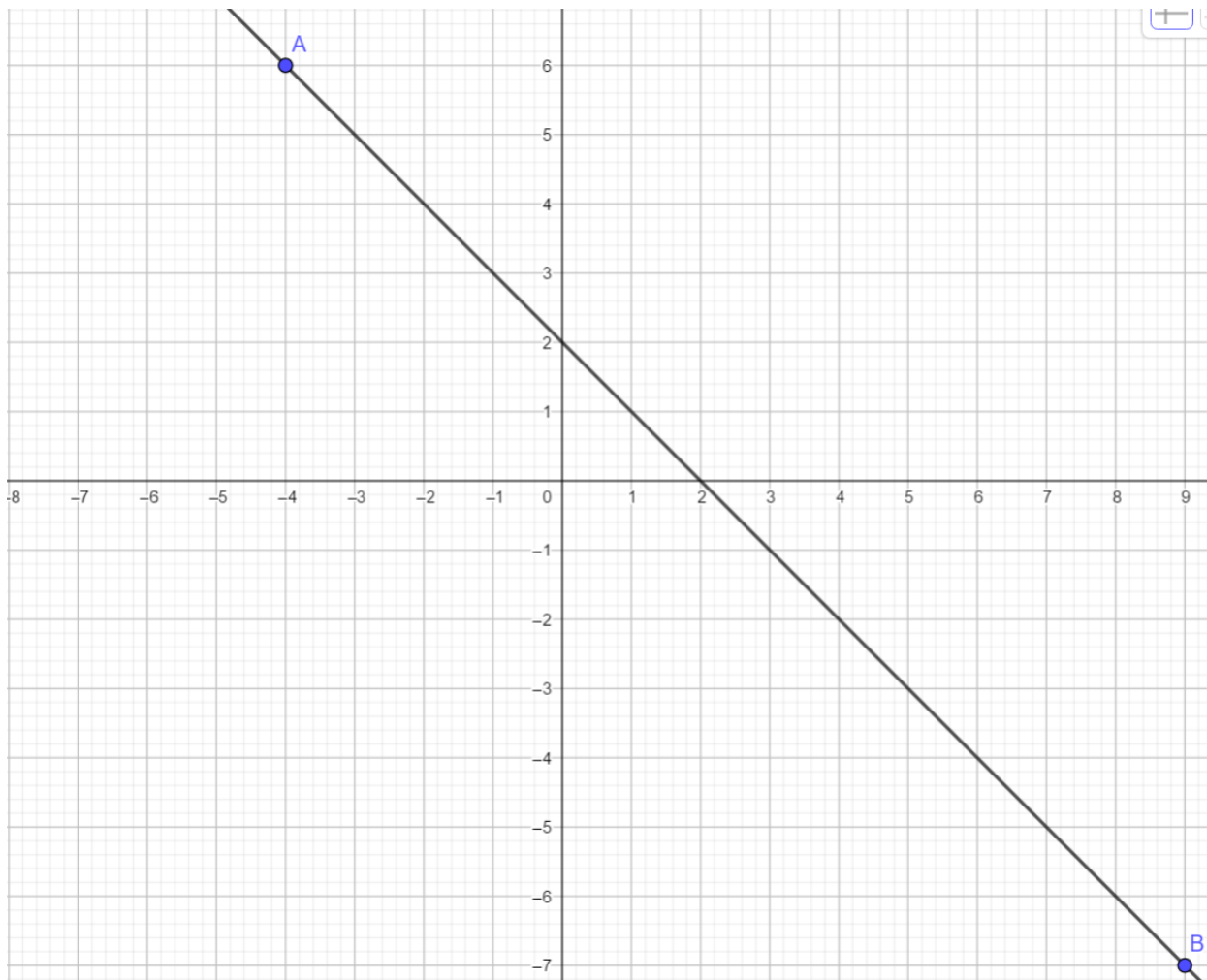# Answer on Question #84871 – Math –Geometry

Question

Find the equation of a straight line passing through two given points $(-4, 6), (9, -7)$

Solution

$$\frac{x - x_1}{x_2 - x_1} = \frac{y - y_1}{y_2 - y_1}$$

$$\frac{x + 4}{9 + 4} = \frac{y - 6}{-7 - 6}$$

$$-13(x + 4) = 13(y - 6)$$

$$y = 2 - x$$

Answer: $y = 2 - x.$