

7 $(6, -2), (s, -6), m = 4$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$4 = \frac{-6 - (-2)}{s - 6}$$

$$\cancel{\frac{4}{1}} = \frac{-4}{s - 6}$$

$$4(s - 6) = -4$$

$$4s - 24 = -4$$

$$+24 \quad +24$$

$$\frac{4s}{4} = \frac{20}{4}$$

$$s = 5$$

8 $(9, s), (6, 3), m = -\frac{1}{3}$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$-\frac{1}{3} = \frac{3 - s}{6 - 9}$$

$$\cancel{\frac{-1}{3}} = \frac{3 - s}{-3}$$

$$3(3 - s) = -1(-3)$$

$$9 - 3s = 3$$

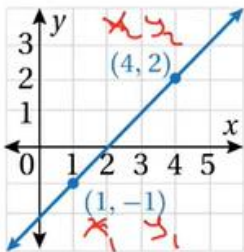
$$-3s = 3 - 9$$

$$-3s = -6$$

$$\frac{-3s}{-3} = \frac{-6}{-3}$$

$$s = 2$$

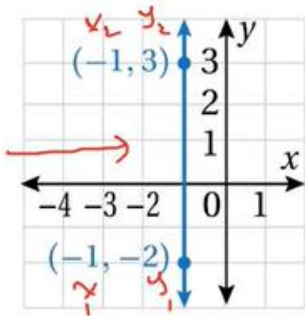
9



الموجب

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - (-1)}{4 - 1} = \frac{3}{3} = 1$$

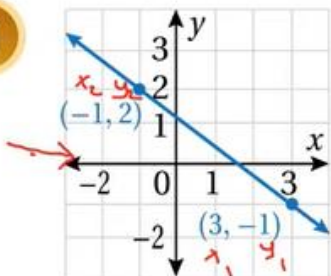
10



غير معرفة

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{3 - (-2)}{-1 - (-1)} = \frac{5}{0}$$

11



سالب

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - (-1)}{-1 - 3} = \frac{3}{-4}$$

$$= -\frac{3}{4}$$

