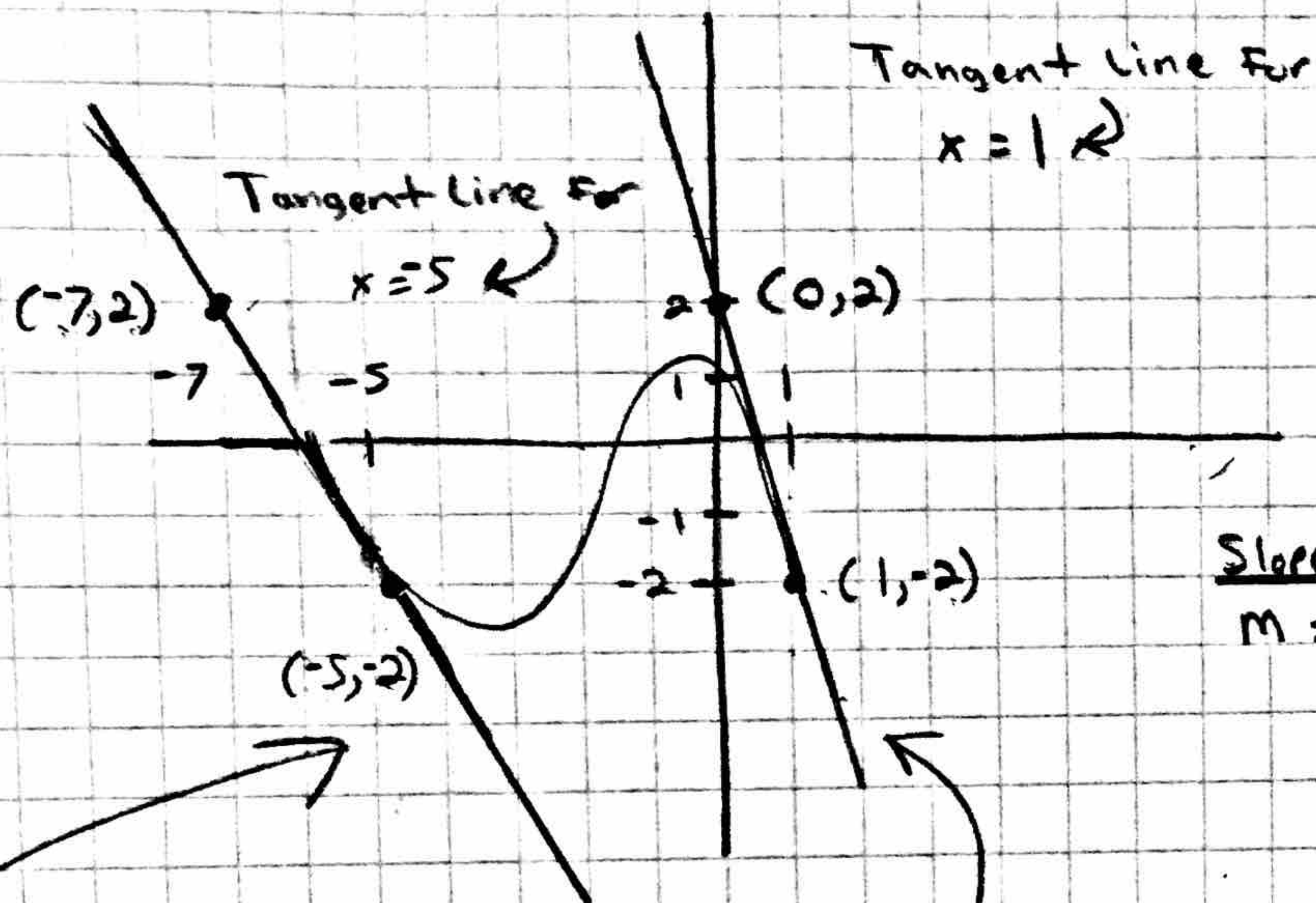


# Tangent Lines And Slopes



Slope

$$m = \frac{\Delta y}{\Delta x} = \frac{(y_2) - (y_1)}{(x_2) - (x_1)}$$

or

$$\frac{(y_1) - (y_2)}{(x_2) - (x_1)}$$

$$m = \frac{(2 - (-2))}{(-7 - (-5))}$$

$$\downarrow$$

$$\frac{(2 + 2)}{(-7 + 5)}$$

$$\downarrow$$

$$\frac{4}{-2}$$

$$\downarrow$$

$$m = -2$$

$$m = \frac{(2 - (-2))}{(0 - 1)}$$

$$\downarrow$$

$$\frac{(2 + 2)}{-1}$$

$$\downarrow$$

$$\frac{4}{-1}$$

$$\downarrow$$

$$m = -4$$