

Name: _____

Date: _____

General and Function Form

For the given equations, solve for the x-intercept, y-intercept, and rate of change.

1. $y = 3x + 4$

x-intercept: (____ , ____)

y-intercept: (____ , ____)

rate of change: _____

2. $3x + 2y + 12 = 0$

x-intercept: (____ , ____)

y-intercept: (____ , ____)

rate of change: _____

3. $y = \left(-\frac{2}{3}\right)x + 12$

x-intercept: (____ , ____)

y-intercept: (____ , ____)

rate of change: _____

4. $y = \left(\frac{5}{3}\right)x - 5$

x-intercept: (____ , ____)

y-intercept: (____ , ____)

rate of change: _____

$$5. y = 5x + 125$$

x-intercept: (__ , __)

y-intercept: (__ , __)

rate of change: _____

$$6. x + 7y - 28 = 0$$

x-intercept: (__ , __)

y-intercept: (__ , __)

rate of change: _____

$$7. x - 2y + 3 = 0$$

x-intercept: (__ , __)

y-intercept: (__ , __)

rate of change: _____

$$8. y = -6x + 10$$

x-intercept: (__ , __)

y-intercept: (__ , __)

rate of change: _____

$$9. 2x + 3y - 9 = 0$$

x-intercept: (__ , __)

y-intercept: (__ , __)

rate of change: _____

$$10. 5x + 6y - 10 = 0$$

x-intercept: (__ , __)

y-intercept: (__ , __)

rate of change: _____