

1. When writing **slope intercept form** equations, what form **must** the **slope** be written in?

1. _____

2. When writing **slope intercept form** equations, what form is the intercept **not allowed** to be written in?

2. _____

3. Name one of the two formulas for the **slope intercept form** of a line.

3. _____

4. What are the **three criteria** for writing **standard form** equations?

4a. _____

4b. _____

4c. _____

5. **Describe** the slope of the line with $m = \frac{-1}{2}$.

5. _____

6. **Describe** the slope of the line with $m = \frac{5}{3}$.

6. _____

7. How is a **y-intercept found**?

8. How is an **x-intercept found**?

9. What is the formula for **point slope linear equations**?

9. _____

Write each equation in slope intercept form

23. $5x + 3y = 9$

Slope Int _____

24. $7x + 3y = 11$

Slope Int _____

Write the slope, y intercept as an ordered pair, and x intercept as an ordered pair

25. $3x - 4y = 24$

m = _____ y - int = _____ x - int = _____

26. $x - 4y = 16$

m = _____ y - int = _____ x - int = _____

27. $y = \frac{2}{5}x - 3$

m = _____ y - int = _____ x - int = _____

28. $y = \frac{3}{7}x - \frac{5}{7}$

m = _____ y - int = _____ x - int = _____

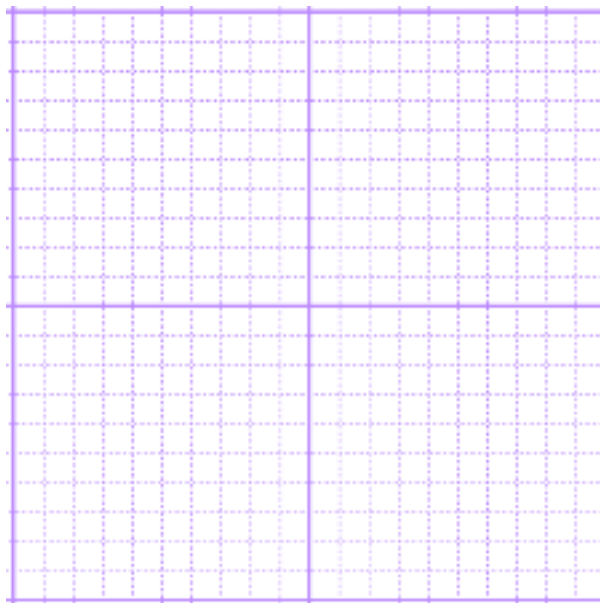
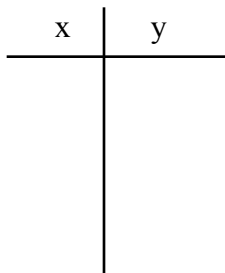
Graph Each of the following

29. $y = \frac{3}{5}x - 2$

m = _____

$\frac{\textit{steep_or_shallow}}{\textit{incline_or_decline}}$ _____

y - int = _____ Δx = _____

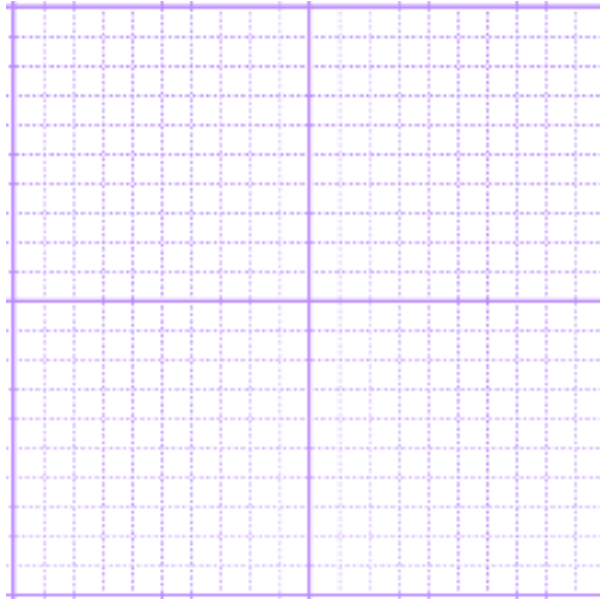
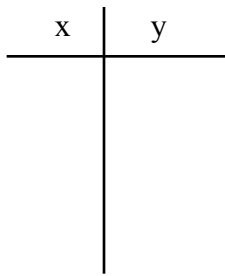


30. $y = \frac{-1}{3}x + 7$

$m =$ _____

$\frac{\textit{steep_or_shallow}}{\textit{incline_or_decline}}$ _____

$y - \textit{int} =$ _____ $\Delta x =$ _____



31. $3x - 2y = 6$

$m =$ _____

$\frac{\textit{steep_or_shallow}}{\textit{incline_or_decline}}$ _____

$y - \textit{int} =$ _____ $\Delta x =$ _____

