Name_____

Write the equation in the **indicated form**.

1. $(3,-4)$
   $(6,-2)$

   Slope Int_____

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2. $(4,1)$
   $(8,4)$

   Standard_____

---

3. $(6,-4)$
   $m = \frac{-1}{3}$

   Point Slope_____

---

4. $(9,5)$
   $m = \frac{5}{3}$

   Slope Int_____

---

5. $(4,1)$
   $m = -\frac{3}{4}$

   Standard_____

---

6. $(-2,3)$
   $m = \frac{5}{2}$

   Point Slope_____

Write each equation in **standard form**

7. $y = \frac{3}{4}x - 2$ Standard_____

8. $y = \frac{-2}{3}x + \frac{1}{3}$ Standard_____

9. $y = \frac{5}{8}x + \frac{3}{8}$ Standard_____

Write each equation in **slope intercept form**

10. $5x - 2y = 6$ Slope Int_____

11 $3x + 2y = 10$ Slope Int_____

12. $7x - 2y = -6$ Slope Int_____

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

13. $2x - 3y = 12$ m = _____ y - int = _____ x - int = _____

14. $4x + 5y = 20$ m = _____ y - int = _____ x - int = _____

15. $x - 4y = 16$ m = _____ y - int = _____ x - int = _____

16. $y = \frac{4}{5}x - 2$ m = _____ y - int = _____ x - int = _____

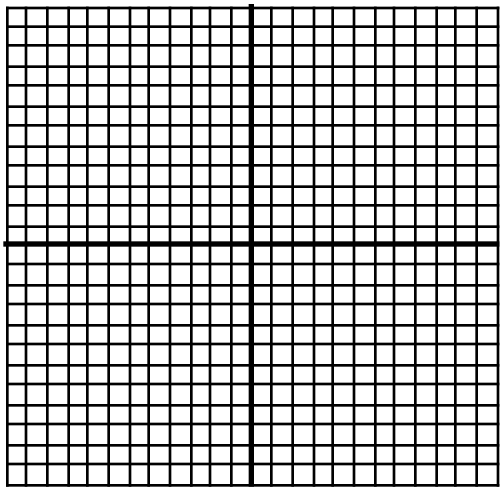
17. $y = \frac{-3}{4}x + 2$ m = _____ y - int = _____ x - int = _____

18. $y = \frac{5}{4}x - \frac{3}{4}$ m = _____ y - int = _____ x - int = _____

Graph Each of the following

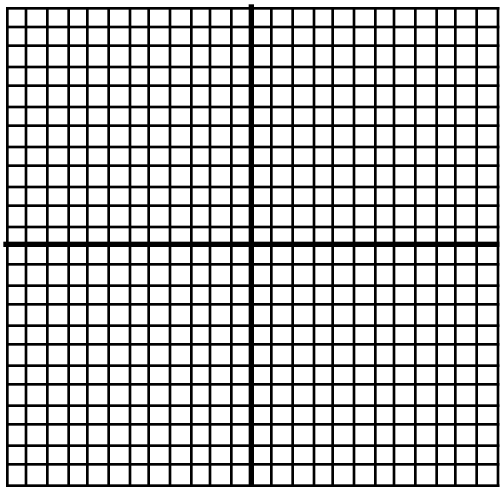
19. $y = \frac{2}{3}x - 2$ m = _____ $\frac{steep\_or\_shallow}{incline\_or\_decline}$ _____ y - int = _____

x	y



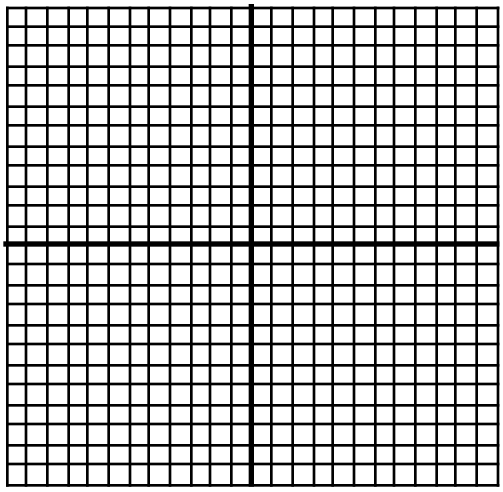
20. $y = \frac{-5}{3}x + 2$ m = _____ $\frac{steep\_or\_shallow}{incline\_or\_decline}$ _____ y - int = _____

x	y



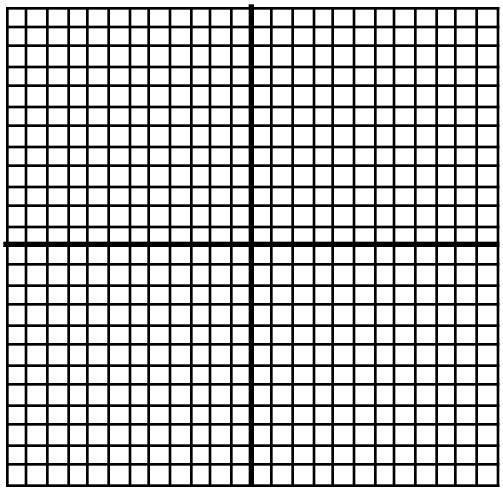
21. $y = \frac{1}{3}x + 4$ m = _____ $\frac{steep\_or\_shallow}{incline\_or\_decline}$ _____ y - int = _____

x	y



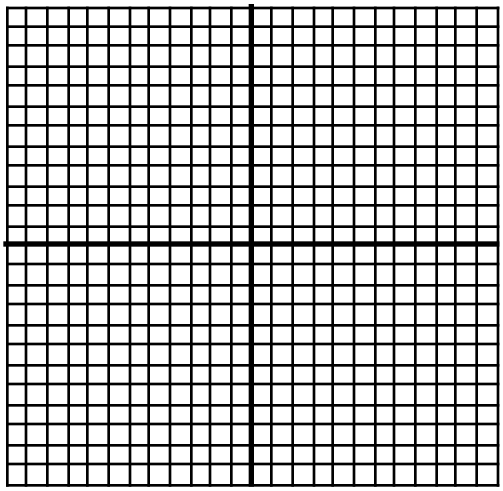
22. $4x - 5y = 10$ m = _____ $\frac{steep\_or\_shallow}{incline\_or\_decline}$ _____ y - int = _____

x	y



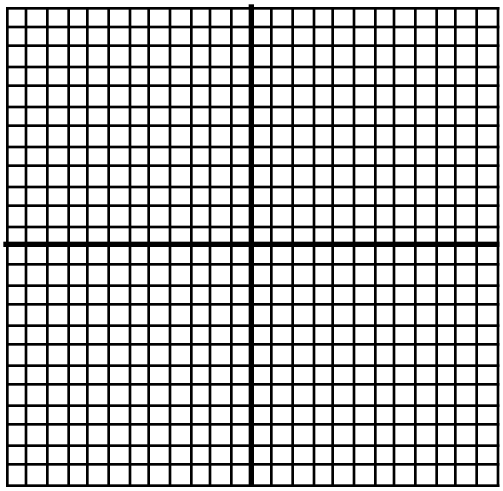
23. $2x + 7y = 14$ m = _____ $\frac{steep\_or\_shallow}{incline\_or\_decline}$ _____ y - int = _____

x	y



24. $3x - 4y = 16$ m = _____ $\frac{steep\_or\_shallow}{incline\_or\_decline}$ _____ y - int = _____

x	y



25. $(y-5)=\frac{1}{3}(4x-9)$ Slope Int_____

Standard_____

26. Write an equation from the table.

X	Y
-10	–12
-5	– 9
0	– 6
5	–3
10	0

Slope Int_____

27. Write an equation from the table.

X	Y
-8	4
-4	7
0	10
4	13
8	16

Slope Int_____

28. Draw a **mapping** and create a **table of values** (T- Chart) for the relation.
H = {(–4 , 2) , (-2 , 2) , (0 , 3) , (0 , 1) , (1, 3), (4 , 1)}

Mapping

T–Chart

Given $f(x) = 4x - 3$ $g(x) = x^2 + 3x + 2$ $h(x) = x^2 - 4x + 1$

29. $f(2)$ 29._____

30. $g(1)$ 30._____

31. $h(-3)$ 31._____

32. $g(-2)$ 32._____

33. $h(0)$ 33._____

34. $f(-5)$ 34._____

35. $f(p - 4)$ 35._____

36. $f(-2) + g(5) + h(2)$ 36._____

37. $f(g(h(0)))$ 37_____

38. $h(g(f(1)))$ 38._____