

2. $y = mx + b$. It shows the slope, m , and the y -intercept, b .

4. $y = -x$
slope = -1
 y -int: $(0, 0)$

6. $y = 5x - 7$
slope = 5
 y -int: $(0, -7)$

8. $y = -\frac{1}{4}x + 8$
slope = $-\frac{1}{4}$
 y -int: $(0, 8)$

10. $x - 3y = -12$
 ~~$3y = \frac{-x - 12}{-3}$~~
 $y = \frac{1}{3}x + 4$

Ⓒ 4

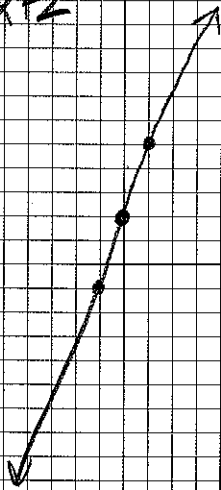
12. $x - y = 6$
 ~~$y = \frac{-x + 6}{-1}$~~
 $y = 1x - 6$
slope = 1
 y -int: $(0, -6)$

14. $-12x - 4y = 2$
 ~~$4y = \frac{12x + 2}{-4}$~~
 $y = -3x - \frac{1}{2}$
slope = -3
 y -int: $(0, -\frac{1}{2})$

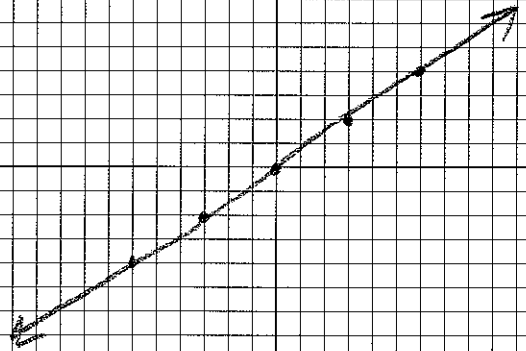
16. $-x - 10y = 20$
 ~~$10y = \frac{-x + 20}{-10}$~~
 $y = -\frac{1}{10}x - 2$
slope = $-\frac{1}{10}$
 y -int: $(0, -2)$

18. $2x + 3y = -6$
 ~~$3y = \frac{-2x - 6}{3}$~~
 $y = -\frac{2}{3}x - 2$
slope = $-\frac{2}{3}$
 y -int: $(0, -2)$

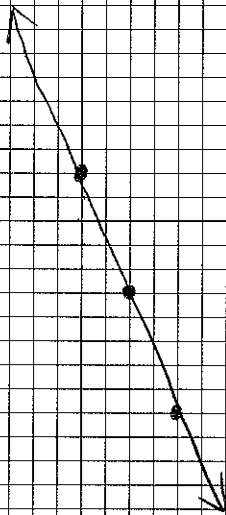
22. $y = 3x + 2$



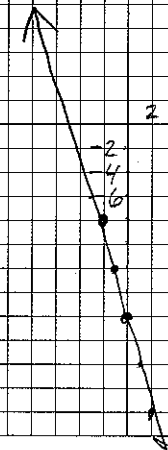
24. $y = \frac{2}{3}x$



26. $y = -\frac{5}{2}x + 2$



28. $-8x - 2y = 32$
 $-2y = 8x + 32$
 $y = -4x - 16$



30. Green + Blue
are Parallel
(Both have a Slope
of $-\frac{4}{2} = -2$)