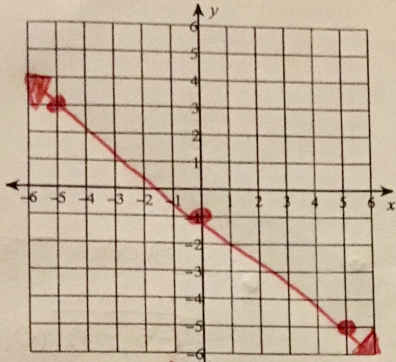
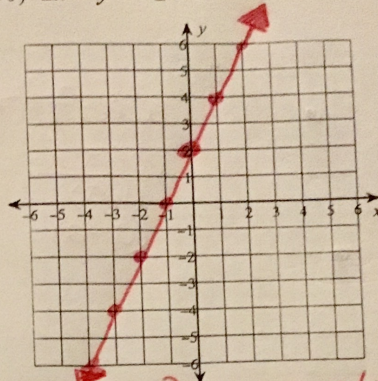


29) $4x + 5y = -5$



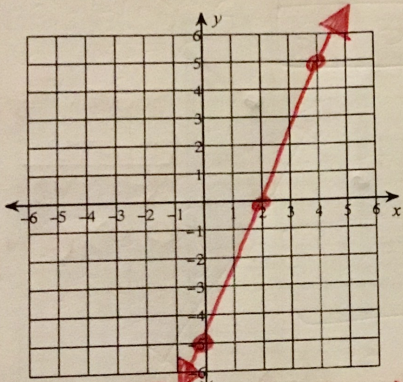
SLOPE: $-\frac{4}{5}$ y -INT ($x=0$)
 $4x + 5y = -5$
 $4(0) + 5y = -5$
 $5y = -5$
 $y = -1$

30) $2x - y = -2$



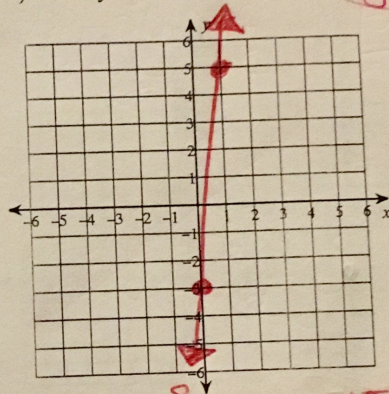
SLOPE: $\frac{2}{1}$ y -INT ($x=0$)
 $2x - y = -2$
 $2(0) - y = -2$
 $0 - y = -2$
 $-y = -2$
 $y = 2$

31) $5x + 2y = -10$



SLOPE: $\frac{5}{2}$ y -INT ($x=0$)
 $5x + 2y = -10$
 $5(0) + 2y = -10$
 $0 + 2y = -10$
 $y = -5$

32) $8x - y = 3$



SLOPE: $\frac{8}{1}$ y -INT ($x=0$)
 $8x - y = 3$
 $8(0) - y = 3$
 $0 - y = 3$
 $-y = 3$
 $y = -3$

Write the POINT-SLOPE FORM of the equation of the line.

33) through: (x_1, y_1) , slope = m
 $(1, 3)$, slope = 3

$y - 3 = 3(x - 1)$

34) through: (x_1, y_1) , slope = m
 $(5, -2)$, slope = $-\frac{7}{2}$

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

35) through: (x_1, y_1) , slope = m
 $(-1, 5)$, slope = -6

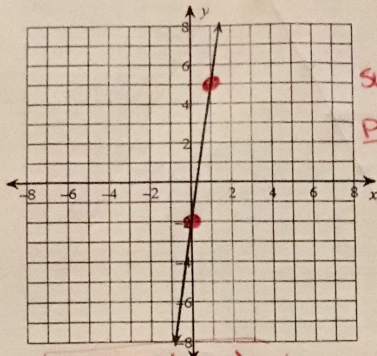
$y - 5 = -6(x + 1)$

36) through: (x_1, y_1) , slope = m
 $(-4, 0)$, slope = $-\frac{1}{2}$

$y - 0 = -\frac{1}{2}(x + 4)$
 $y = -\frac{1}{2}(x + 4)$

Write the POINT-SLOPE FORM of the equation of each line.

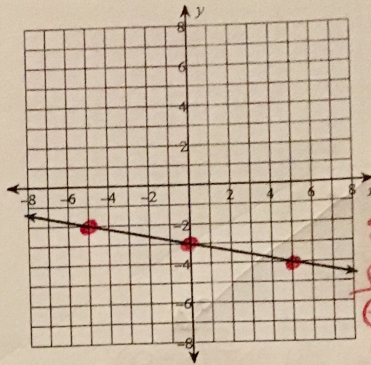
37)



slope: $\frac{7}{1} = 7$
 POINTS:
 (1, 5)
 (0, -2)

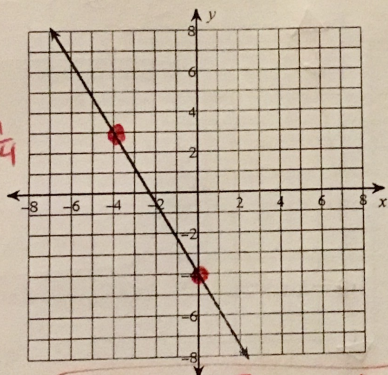
$y - 5 = 7(x - 1)$
 $y + 2 = 7(x - 0)$

38)



slope: $-\frac{1}{5}$
 POINTS:
 (-5, -2), (0, -3)
 (5, -4)

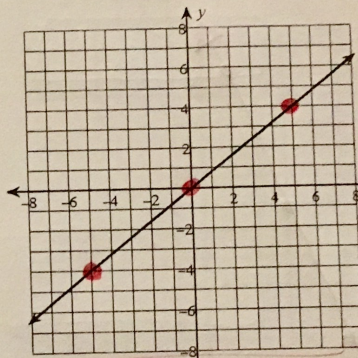
39)



slope: $-\frac{7}{4}$
 POINTS:
 (-4, 3)
 (0, -4)

$y - 3 = -\frac{7}{4}(x + 4)$
 $y + 4 = -\frac{7}{4}(x - 0)$

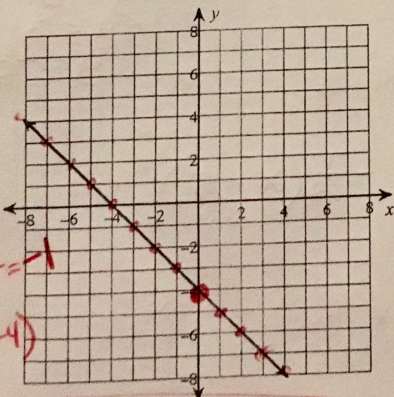
40)



slope: $\frac{4}{5}$
 POINTS:
 (-5, -4),
 (0, 0), (5, 4)

$y + 4 = \frac{4}{5}(x + 5)$
 $y = \frac{4}{5}(x - 0)$
 $y - 4 = \frac{4}{5}(x - 5)$

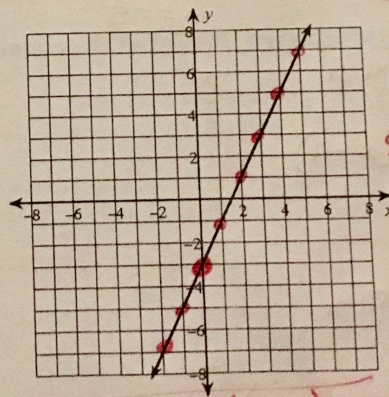
41)



slope: $-\frac{1}{1} = -1$
 POINT: (0, -4)

$y + 4 = -1(x - 0)$

42)



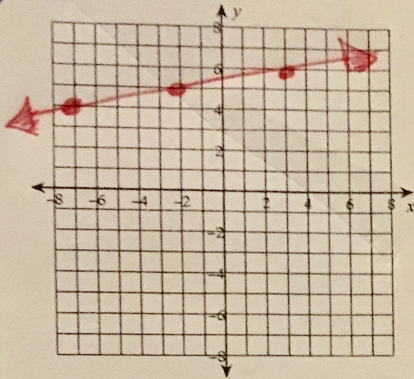
slope: $\frac{2}{1} = 2$
 POINT: (0, -3)

$y + 3 = 2(x - 0)$

Sketch the graph of each line.

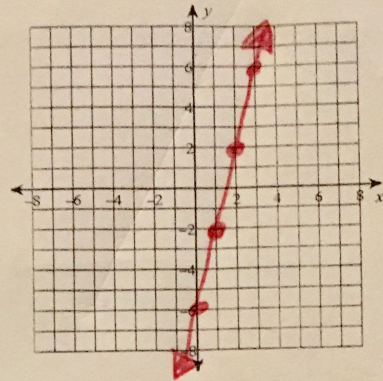
43) $y - 4 = \frac{1}{5}(x + 7)$

SLOPE: $\frac{1}{5}$
POINT: $(-7, 4)$



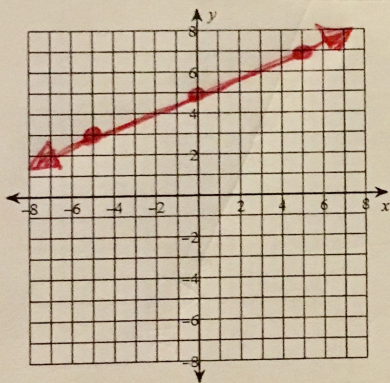
44) $y + 2 = 4(x - 1)$

SLOPE: $4 = \frac{4}{1}$
POINT: $(1, -2)$



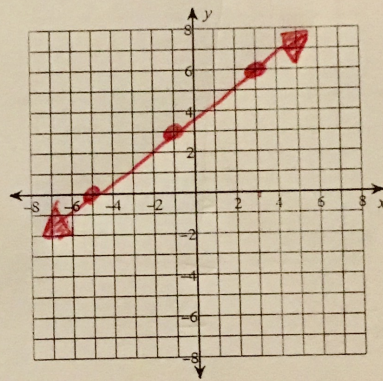
45) $y - 3 = -\frac{2}{5}(x + 5)$

SLOPE: $-\frac{2}{5}$
POINT: $(-5, 3)$



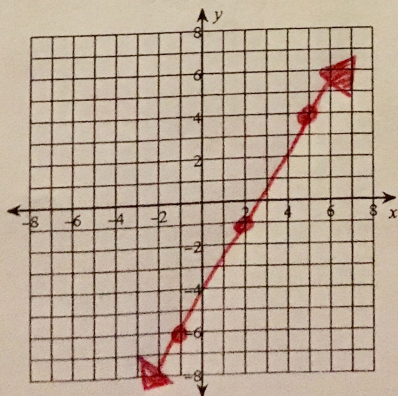
46) $y - 6 = \frac{3}{4}(x - 3)$

SLOPE: $\frac{3}{4}$
POINT: $(3, 6)$



47) $y + 6 = \frac{5}{3}(x + 1)$

SLOPE: $\frac{5}{3}$
POINT: $(-1, -6)$



48) $y + 4 = -3(x - 2)$

SLOPE: $-3 = -\frac{3}{1}$
POINT: $(2, -4)$

