

3) Solve
$$-2 < 3x + 4 \le 13$$
, Express Sind Answer in interval notation.

 $-2 - 4 < 3x \le 13 - 4$
 $-6 < 3x \le 9$
 $-6 < 3x \le 9$
 $-2 < x \le \frac{9}{3}$
 $-2 < x \le \frac{3}{3}$

4) Graph $y = \frac{2}{3}x + 4$
 $y = mx + b$
 $y = mx +$

a)
$$4x - 100 = 4x - 4.25 = 4(x-25)$$

a)
$$4(x-25)$$

b)
$$4x^2 - 100x - 4.25$$

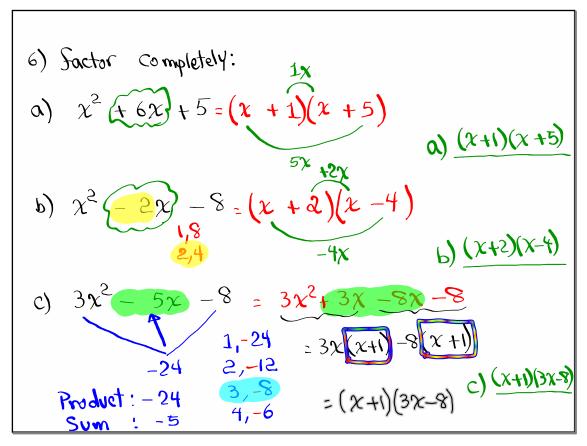
$$6) 4x(x-25)$$

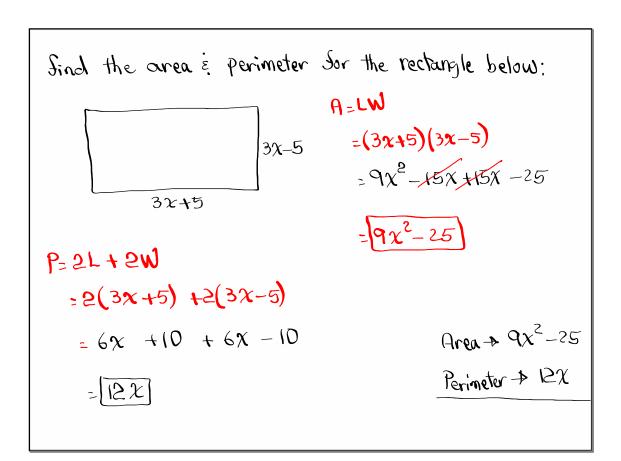
c)
$$4x^2 - 100$$

= 4 (
$$\chi^2$$
 - 25) = 4(χ^2 - 5²) = 4(χ^2 - 5)

Recall
$$A^2 - B^2 = (A + B)(A - B)$$

c) $\frac{4(\chi+5)(\chi-5)}{(\chi-5)}$





Geroph
$$5x - 2y = -10$$

$$\frac{x + 5}{-2 \cdot 0} = 5(0) - 2y = -10 \quad 0 - 2y = -10 \quad y = 5$$

$$-2 \cdot 0 = 5x - 2(0) = -10 \quad 5x - 0 = -10 \quad x = -2$$
Intercept
Method

Class QZ 1

Solve
$$3x^2 - 5x - 8 = 0$$
 by quadratic formula.

Express Sinal Answer in

Solution Set.

Make Sure to box

 $a=3$, $b=-5$, $c=-8$

Your Sinal answer.

 $b^2-40c=(-5)^2-4(3)(-8)=25+96=121$
 $x=\frac{-(-5)\pm\sqrt{121}}{2(3)}=\frac{5\pm11}{6}=\frac{5+11}{6}=\frac{16}{6}=\frac{8}{3}$
 $x=\frac{5-11}{6}=\frac{-6}{6}=-1$
 $x=\frac{5-11}{6}=\frac{-6}{6}=-1$