1. Solve:
$$\frac{x-4}{-2} = 13(-2)$$

$$\begin{array}{c} x - 4 = 13(-2) \\ x - 4 = -26 \\ + 4 + 4 \\ \hline x = -22 \end{array}$$

2. Write the equation of the line parallel to y= 4x - 6 that crosses through (-2, -10) (Parallel lines have the same slope)

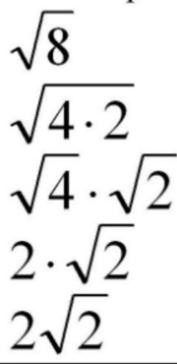
$$m=4$$
 $(-2,-10)$
 $y-y_1=m(x-x_1)$
 $y+10=4(x+2)$
 $y+10=4x+8$
 $y=4x-2$

3. Solve:
$$x + 2y = -9$$

 $7 + 2y = -9$
 $y = -3x + 13$
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Simplifying Radicals

Steps for Simplifying Roots



- Find the largest perfect square that is a factor of the number
- Write the factor pair under the square root
- 3) Separate into two square roots
- We choose a perfect square because we know its square root is an integer.
- 5) Imply multiplication

$$\sqrt{24} = \sqrt{4 \cdot 6} = \sqrt{4 \cdot \sqrt{6}} = \sqrt{2\sqrt{6}}$$
Factors
 $1_1 z_1 3_1 4_1 6_1 8_1 1 2_1 2_4$
Perfect Squares
 $1_1 4$

