$4x + 2y \leq 36 - 4x$

$-4x$

$\frac{2y}{2} \leq \frac{36 - 4x}{2}$

$y \leq \frac{36 - 4x}{2}$

$y \leq 18 - 4/2x$

x	y
0	18
9	0

$0 = -4/2 + 18$
$-18 \quad -18$

$-18 = -4/2$
$-4/2 \quad -4/2$

$4x + 3y \leq 48$
$-4x \quad -4x$

$\frac{3y}{3} \leq \frac{48 - 4x}{3}$

$y \leq 16 - \frac{4}{3}x$

$0 = -4/3x + 16$
$-16 = -4/3x$

$y \leq -\frac{4}{3}x + 16$

x	y
0	16
12	0

5. To solve this problem, you will need to graph the **intersection** of all four inequalities on one common XY plane. Do this on graph paper. Have the bottom left be the origin, with the horizontal axis representing X and the vertical axis representing Y.