

* Find solutions of $6x - 2y \leq 2$

when $x=1$ find y $y \geq 2$

$$6(1) - 2y \leq 2$$

$$6 - 2y \leq 2$$

$$\frac{-6}{-2} \leq \frac{-4}{-2}$$

$$-2y \leq -4$$

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

$$y \geq 2$$

$(1, 2)$
 $(1, 2.5)$
 $(1, 3)$
 $(1, 50)$
 \vdots

when $x=2$ find y $y \geq 5$

$$6(2) - 2y \leq 2$$

$$12 - 2y \leq 2$$

$$\frac{-12}{-2} \leq \frac{-10}{-2}$$

$$-2y \leq -10$$

$$\frac{-2y}{-2} \leq \frac{-10}{-2}$$

$$y \geq 5$$

$(2, 5)$
 $(2, 6)$
 $(2, 7)$
 \vdots

when $x=0$

$$6(0) - 2y \leq 2$$

$$-2y \leq 2$$

$$\frac{-2y}{-2} \leq \frac{2}{-2}$$

$$y \geq -1$$

when $x=-1$

$$6(-1) - 2y \leq 2$$

$$-6 - 2y \leq 2$$

$$\frac{-6}{+6} - 2y \leq \frac{2}{+6}$$

$$-2y \leq 8$$

$$\frac{-2y}{-2} \leq \frac{8}{-2}$$

$$y \geq -4$$

