

# Section 2.5: contd

Friday, October 11, 2013

9:31 AM

$$2 \leq 4 - \frac{1}{2}(x-8) \leq 10$$

$$2 \leq 4 - \frac{1}{2}x + 4 \leq 10$$

$$2 \leq -\frac{1}{2}x + 8 \leq 10$$

$$-6 \leq -\frac{1}{2}x \leq 2$$

$$12 \geq x \geq -4$$

$$-4 \leq x \leq 12$$

$$4 \leq 8 - (x-8) \leq 20$$

$$4 \leq 8 - x + 8 \leq 20$$

$$4 \leq -x + 16 \leq 20$$

$$-12 \leq -x \leq 4$$

$$12 \geq x \geq -4$$

$$[-4, 12]$$

