

Section 1.8 (6, 34, 40)

16. $|5-2x|+6=14$

$$|5-2x|=8$$

$$5-2x=8 \quad \text{or} \quad 5-2x=-8$$

$$-3=2x$$

$$\left(-\frac{3}{2}=x\right)$$

$$13=2x$$

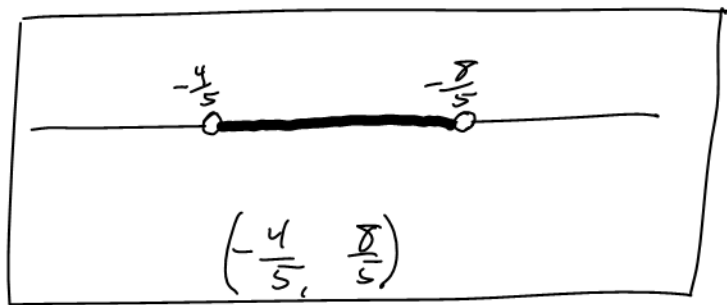
$$\left(\frac{13}{2}=x\right)$$

34. $|5x-2|<6$

$$-6<5x-2<6$$

$$-4<5x<8$$

$$\left(-\frac{4}{5}<x<\frac{8}{5}\right)$$



40. $3-|2x+4|\leq 1$

$$3\leq 1+|2x+4|$$

$$2\leq |2x+4|$$

$$2x+4\geq 2 \quad \text{OR} \quad 2x+4\leq -2$$

$$2x\geq -2$$

$$2x\leq -6$$

$$\left(x\geq -1 \quad \text{OR} \quad x\leq -3\right)$$

