

$$1) 5x + 11 - (6 + 2x) = (3 - x) - 7$$

$$5x + 11 - 6 - 2x = 3 - x - 7$$

$$5x - 2x + x = 3 - 7 + 6 - 11$$

$$4x = -9$$

$$x = -\frac{9}{4}$$

$$x = -2,25 \quad \text{Answer: } -2,25$$

$$2) (8+a)^2 - (a-6)^2 = 64 + 16a + a^2 - a^2 + 12a - 36 =$$

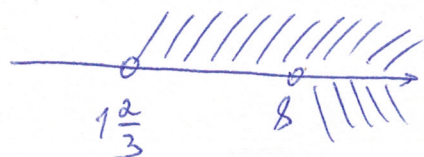
$$= 28 + 28a = 28(1+a)$$

$$\text{npu } a = -\frac{1}{2} \quad 28(1+a) = 28 \cdot \frac{1}{2} = 14$$

$$\begin{cases} 3x - 5 > 0 \\ 15 - 4x < -17 \end{cases}$$

$$\begin{cases} x > \frac{5}{3} \\ x > 8 \end{cases}$$

$$\begin{cases} 3x > 5 \\ -4x < -17 - 15 \end{cases}$$



$$\text{Answer: } (8; +\infty)$$