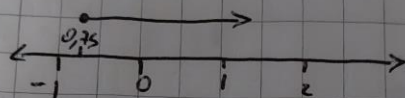


$$4x + 4 \geq x$$

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

$$3x \geq \frac{-4}{3} = -0,75$$



$$[-0,75, \infty)$$

$$-3 \leq \frac{4-x}{4} < 7$$

$$-3 \cdot 4 \leq 4-x < 7 \cdot 4$$

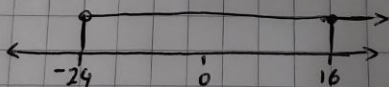
$$\begin{array}{l} -12 \leq 4-x < 28 \\ -4-12 \leq -x < 28-4 \end{array}$$

$\cdot -1$

$$-16 \leq -x < 24$$

$$16 \geq x > -24$$

$$\boxed{-16} \quad (-24, 16]$$



$$a) (4+6i)(-3+9i)$$

$$-12+16i-18i+24i^2$$

$$-12+40i-18i$$

$$\rightarrow 12+22i$$

$$-12+2i+24(-1)$$

$$-12+2i-24$$

$$-36-2i$$

$$b) i(4+13i) - i(1-9i)$$

$$4i + 13i^2 - i + 9i^2$$

$$4i + 13(-1) - i + 9(-1)$$

$$4i - 13 - i - 9$$

$$-22+3i$$

$$i \left(\frac{10-i}{1+i} \right) = \frac{10-i-i^2}{1+i}$$

$$\frac{(10i - i^2)(1-i)}{(1+i)(1-i)}$$

$$\frac{10i^2 - 10i^2 - i^2 + i^3}{1-i^2}$$

$$\frac{10i^2 - 10(-1) - (-1) + (-i)}{1-(-1)}$$

$$\frac{10i^2 - 10\cancel{(-1)} + 1 - i}{2}$$

$$\frac{9i^2 + 11}{2} = \frac{9}{2}i^2 + \frac{11}{2}$$