

$$\frac{x}{0} \frac{y}{2 \cdot 0} = 0$$

$$\frac{1}{2} \frac{2}{12 \cdot 2} = 4$$

b. 
$$f(x) = -3x + 3$$
  
 $\frac{x}{y}$   
 $0 = -3.0 + 3 = 3$   
 $1 = -3.1 + 3 = 0$   
 $2 = -3.2 + 3 = -3$ 

6 
$$\frac{x}{x} = x^{2}$$
 $\frac{x}{y} = 9$ 
 $\frac{-3}{(-3)^{2}} = 9$ 
 $\frac{-1}{(-1)^{2}} = 1$ 
 $0 = 0^{2} = 0$ 
 $1 = 0^{2} = 1$ 
 $3 = 0$ 
 $1 = 0^{2} = 9$ 

o. 
$$f(x) = x^2 + 2x - 3$$
  
 $x \mid y$ 
0-hohact  $[-3]$ 
 $-4 \mid (-4|^2 + 2(-4) - 3 = 5$ 
 $-3 \mid (-3|^2 + 2(-8) - 3 = 0$ 
 $-1 \mid -4$ 
 $1 \mid 0$ 
 $3 \mid 12$ 

$$20x = -3$$

$$X = -\frac{3}{20}$$

$$12x+4 = 1-8x$$

b. 
$$x = -5$$

$$C. \quad X+1=X$$

$$X-X=-1$$

Eirett.

$$2x+6=2x+6$$

$$2x - 2x = 6 - 6$$

∀x.n arrot Kaikli

$$\mathfrak{A}$$
 a.  $\chi^2 = 8$ 

$$X = \pm \sqrt{8}$$

$$\chi = \pm \sqrt{2^3}$$

b. 
$$\chi^2 = -9 / \sqrt{1}$$

li rothorsno

reach humilla!

$$k^2 = 9 = 3^2$$

a. 
$$8x^{12} = 40$$
 | : 8

$$\chi^{12} = \frac{40}{8} = 5$$

$$x \cdot 1916 = 198$$
  
 $x = \frac{198}{1916} = 0.75$ 

a. 
$$3x^2 - 5x - 2 = 0$$

$$\chi = \frac{-(-5) \pm \sqrt{(-5)^2 - 4 \cdot 3 \cdot (-2)}}{2 \cdot 2}$$

$$X = \frac{5 \pm \sqrt{a_5 + a_4}}{4}$$

$$\chi = \frac{5 \pm 7}{6} \begin{cases} \frac{577}{6} = 2 \\ \frac{5-7}{6} = -\frac{1}{3} \end{cases}$$

$$X = \frac{-0 \pm \sqrt{0^2 - 4 \cdot 1 \cdot 1}}{2 \cdot 1}$$

$$X = \pm \sqrt{-4}$$

$$\begin{array}{c|cccc}
 \hline
7 & a. & x-5 > 3x \\
 & x-3x > 5 \\
 & -2x > 5 & | :-2 \\
 & x < \frac{5}{-2} \\
 & x < -2\frac{1}{2}
\end{array}$$

b. 
$$X \ge -\frac{5}{3}$$
  
c.  $-3x + 3 < 0$   
 $-3x < -3$  |:-3  
 $x > 1$ 

x 4-2,5

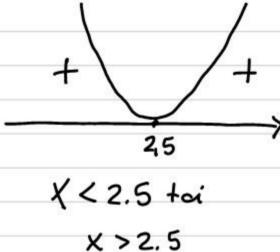
$$8a. X^2 > 8$$
  
 $X^2 - 8 > 0$   
 $0 - kordet = \begin{cases} -18 = -212 \\ 18 = 212 \end{cases}$ 

8 b. 
$$X^{2}+2x-3<0$$
0-uohdat  $\int_{-3}^{1}$ 
 $Y = -b \pm 1 \frac{b^{2}-y_{0}}{2c}$ 

C. 
$$4x^2 + 25 > 20x$$

$$4x^2 - 20x + 25 > 0$$

$$0 - 4x^2 - 20x + 25 > 0$$



d. 
$$-x^{2} + 2x - 3 < 0$$

Let  $0 + 2x - 3 < 0$ 

Alespain

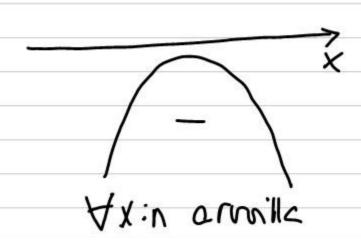
Out.

 $2 \cdot (-1)$ 

Out.

out. 
$$\chi = \frac{-2 \pm \sqrt{-8}}{-2}$$

D=-8
D<0
ei rotheisus
=) ei 0-hohtis



pos. Koh. Invut

Q

2+

$$\longrightarrow \mathbb{R}$$

L

Komplehsitulur athaisu

$$X = \pm i$$

$$\chi^{2} + 9 = 0$$

$$\chi = \pm \sqrt{-9}$$

$$\chi = \pm \sqrt{-3^2}$$

$$\chi = \pm \sqrt{-1.3^2}$$

N

$$\chi = \pm \sqrt{\dot{L}^2 \cdot 3^2}$$

$$\chi = \pm 3\dot{L}$$

$$(3+2i) + (-1+4i) = 2+6i$$

$$(-2+i) + (-3i) = -2+i-3i = -2-2i$$

$$(3-3i) + (2+3i) = 3-3i+2+3i = 5$$

$$(3+2i)-(-1+4i) = 3+2i+1-4i = 4-2i$$

$$(-2+i)-(-3i) = -2+i+3i = -2+4i$$

$$= 4i-2$$

$$(3-3i)-(2+3i) = 3-3i-2-3i = 1-6i$$

$$(x+1)(3-x)$$
  $(x+1)(x-5)$ 

$$(3+2i)(-1+4i) = -3+12i-2i+8i^{2}$$

$$= -3+12i-2i-8 - 10i-11$$

$$= -3+12(-2i) = (-3i)\cdot(-2+i) = 6i-3i^{2} = 6i+3$$

$$= -1$$

KOTTEHT. 11-18