1) (5x+4) = (5x) + 3 (5x) (4) + 3 (5x) (4) + 43 = 125x3+300x2+240x+641 - ded Function (foto) 5 F= 1 (1,2) (-2,4), (3,-1)3 Functions Jes. Domain: 11,-2,33 Nange, [2,4,-1] Ex G= ? (1,1), (1,2), (1,3), (2,3)} Fotn: Vo D: 11,23 K171, 2,33 Function, No rejected x's. Ex. H= ? (-41), (-2,1), (-2,0)} Fefn! No D: 1-4,-23 R: 11,03

$$\int (x) = -x^{2} - 5x - 3$$

$$\int (x) = -(x)^{2} - 5(x) - 3$$

$$= -4 - 10 - 3$$

$$= -17 \int$$

$$f(x) = -x^{2} + 5x - 3$$

$$f(x) = -4 + 10 - 3$$

$$= 3 \int$$

$$f(x) = -9^{2} + 59 - 3 \int$$

$$f(x) = x^{2} - 2x + 7$$

$$f(-5) = (-5)^{2} - 2(-5) + 7$$

$$= 25 + 10 + 7$$

$$= 42 \int$$

$$f(x+4) = (x+4)^{2} - 2(x+4) + 7$$

$$= x^{2} + 6x + 16 - 2x - 5 + 7$$

$$= x^{2} + 6x + 15 \int$$

$$g(x) = 2x + 3$$

$$g(a+1) = 2(a+1) + 3$$

$$= 2a + 2 + 3 + 4$$

$$= 2a + 5 \int$$

A TOTAL LAND Denne Kind Property unded => u=tid' |u=-vol' CX 3x2 21=0 3x2=21 スニューアン イン・マイ 50 4 45 no 5x2=-45 x = 1 1 - 9' = ± 3 6) CX (x 1 >) = 11 1+5 = ±111 -5-111, -5-611 X=-5± /11/

,

$$(x + 2)^{2} = (x + \frac{b}{2})^{2}$$

$$(x + 4)^{2} = (x + \frac{b}{2})^{2}$$

$$(x + 2)^{2} = 1 + (4)$$

$$(x + 2)^{2} = 5$$

$$x + 2 = \pm \sqrt{5}$$

$$x = -2 \pm \sqrt{5}$$

$$(x + 2)^{2} = 5$$

$$x = -2 \pm \sqrt{5}$$

$$(x + 2)^{2} = 5$$

$$x = -2 \pm \sqrt{5}$$

$$(x + 2)^{2} = 5$$

$$x = -2 \pm \sqrt{5}$$

$$(x + 2)^{2} = 5$$

$$x = -2 \pm \sqrt{5}$$

- b + 1/62- 4ac Solve 2x2+2x-1=0 $X = \frac{-2 \pm \sqrt{4 - 4(2)(-1)}}{2(2)}$ = -2 + V4+8'- 12 VE'= 2 $= -2 \pm 2\sqrt{3}$ = 2 (-1 ± V31) $=\frac{-1\pm\sqrt{3'}}{2}$ $x^{2} - 4x = -2$ $(x^2-4x+2=0)$ x= 4.± 1/16-4(2) 8 = 2x4 $=\frac{4+2\sqrt{2}}{2}$ = 2 ± V2 /

$$\begin{array}{ll}
\mathcal{E}_{X} & \chi^{2} - 2\chi + 2 = 0 \\
\chi = \frac{2 \pm \sqrt{4 - 4(2)}}{2} & \frac{-2^{2}}{(-2)^{2}} 2^{2} \\
= \frac{2 \pm \sqrt{-4}}{2} \\
= \frac{2 \pm 2i}{2} \\
= 1 \pm i
\end{array}$$

CLX2+ 6x+C=0

$$(x + b + c = 0)$$
 $x = 1, \frac{c}{a}$
 $(x + b + c = 0)$ $x = 1, \frac{c}{a}$
 $(x + b + c = 0)$ $x = 1, \frac{c}{a}$
 $(x + b + c = 0)$ $x = 1, \frac{c}{a}$
 $(x + b + c = 0)$ $x = 1, \frac{c}{a}$

$$a - b + c = 0$$
 $\Rightarrow x = -1, -\frac{c}{a}$
 $e_{x} 2x^{2} - x - 3 = 0$ $2 - (-1) - 3$
 $x = -1, \frac{3}{2}$
 $49 - 60$

$$4 \times^{2} + 4 \times + 13 = 0$$

$$X = \frac{-4 \pm \sqrt{16 - 4(4)(13)}}{8}$$

$$= \frac{-4 \pm 4 \sqrt{1 - 13}}{8}$$

$$= \frac{-4 \pm 4 \sqrt{-12}}{8}$$

$$= \frac{-4 \pm 8 i \sqrt{3}}{8}$$

$$= \frac{-1 \pm 2 i \sqrt{3}}{2}$$

$$23$$
 $2x^{2}+3x-4=0$

$$X = \frac{-3 \pm \sqrt{9 \pm 4(2)(-4)}}{4} \qquad 9 + 3 \approx 4$$

$$= \frac{-3 \pm \sqrt{4/7}}{4}$$

$$y_{x^2-6x=-7}$$

$$x^{2} - 6x + 7 = 0$$

$$X = \frac{6 \pm \sqrt{36 - 4(7)}}{2}$$

$$= \frac{6 \pm \sqrt{8'}}{2} \rightarrow 2\sqrt{2'}$$

$$= \frac{6 \pm 2\sqrt{2'}}{2}$$

$$= 3 \pm \sqrt{2'}$$

 $57 \times 2 - 3x - 4 = 0$ 1 - (-1) - 4 x = -1, 4

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