$$|2x^2 - x| = x^2 + 2x$$

$$\begin{cases} x^{2} + 2 \times \ge 0 \implies \times (x + 2) \ge 0 \implies \times \le -2 \lor \times \ge 0 \\ 2 \times^{2} - \times = \pm (x^{2} + 2 \times) \end{cases}$$

$$(1) \begin{cases} x \le -2 & \forall x > 0 \\ 2x^2 - x = x^2 + 2x \end{cases}$$

$$2x^{2}-x=-x^{2}-2x$$

x 5-2 V X 30

(2)
$$\begin{cases} x \le -2 & \forall x \ge 0 \\ 3x^2 + x = 0 \end{cases}$$

$$x(3x+1) = 0$$

$$x = 0 \quad \forall x = -\frac{1}{3}$$

X=0 V X=3

$$(x+2)(x^{2}-2x-1)=0$$

$$x^{2}-2x-1=0 \quad x=1\pm \sqrt{2}$$

$$\Delta = 1+1=2$$

$$x=-2 \quad y \quad x=1\pm \sqrt{2}$$

$$2 \quad x^{3}-3x+2=0 \quad 11 \quad 0 \quad -3 \quad | 2$$

$$1+1+1-3+2=0 \quad 11 \quad 11 \quad -2$$

$$1+1+1-2 \quad 11 \quad 11 \quad -2$$

$$1+1-2 \quad 11 \quad 11 \quad -2$$

$$1+1+1-2 \quad 11 \quad -2$$

$$1+1+$$





