Exp Use quadratic formula
$$2 \times^2 - 3 \times = -1$$

$$11 + 1$$

$$2 \times^{2} - 3 \times + 1 = 0$$
 $0 = 2$ $0 = -3$ $0 = -3$

$$D = \frac{3}{5} - 4aC$$

$$= (-3)^{2} - 4(2)(1)$$

$$= 9 - 8$$

$$= 1 = 3 = 3 \text{ two roots}$$

$$X = \frac{-b \pm \sqrt{D}}{2a} = \frac{-(-3) \pm \sqrt{1}}{2(2)}$$

$$= \frac{3 \pm 1}{4}$$

$$X_{1} = \frac{3 + 1}{4} = \frac{4}{4} = 1$$

$$x_1 = \frac{3-1}{4} = \frac{2}{4} = \frac{1}{2}$$

Use quadratic formula to solve
$$|ax^2 + bx + c = 0|$$
, $a \neq 0$

$$2 \times^2 - 3 \times = -1$$

$$41 + 1$$

$$2 \times^2 - 3 \times + 1 = 0$$

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3) If
$$D < 0 \Rightarrow x$$
 real roots

1) $+(2) \Rightarrow +6$ find the roots

 $x = -b \oplus \sqrt{D}$

2 a

quadratic formula

$$\frac{1}{2} - \frac{3}{2} \stackrel{?}{=} -1$$

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Uploaded By: Jibreel Bornat

$$(x-2) + 3(x-2) + \frac{9}{4} = 0$$

 $(1-2x^2) + 3(1-2x^2) + 9$

$$\left(\frac{1}{2} - \frac{2}{42}\right)^2 + 3\left(\frac{1}{2} - \frac{2}{24}\right) + \frac{9}{4} = 0$$

$$\left(\frac{-3}{2}\right)^2 + 3\left(\frac{-3}{2}\right) + \frac{9}{4} \stackrel{?}{=} 0$$

$$\frac{q}{y} + \frac{-q}{2} + \frac{q}{y} = 0$$

$$\frac{9}{2} - \frac{9}{2} = 0$$







