

Quadratic Formula

1

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|--|----------------------------|
| $x^2 + 2x - 1 = 0$ | $a = 1$ $b = 2$ $c = -1$ |
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-(2) \pm \sqrt{(2)^2 - 4(1)(-1)}}{2(1)} =$ | |
| | 0.414 \neq -2.414 |

2

| | |
|---|---------------------------|
| $2x^2 - 4x + 1 = 0$ | $a = 2$ $b = -4$ $c = 1$ |
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-(-4) \pm \sqrt{(-4)^2 - 4(2)(1)}}{2(2)} =$ | |
| | 1.707 \neq 0.293 |

3

| | |
|---|------------------------------|
| $2x^2 - 5x + 1 = 0$ | $a = 2$ $b = -5$ $c = 1$ |
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-(-5) \pm \sqrt{(-5)^2 - 4(2)(1)}}{2(2)} =$ | |
| | 2.281 \neq 0.219 |

4

| | |
|---|-------------------------------|
| $-2x^2 - 4x + 1 = 0$ | $a = -2$ $b = -4$ $c = 1$ |
| $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-(-4) \pm \sqrt{(-4)^2 - 4(-2)(1)}}{2(-2)} =$ | |
| | 0.225 \neq -2.225 |

5

| | |
|---------------------|---------------------------|
| $2x^2 - 4x - 3 = 0$ | $a = 2$ $b = -4$ $c = -3$ |
|---------------------|---------------------------|

2.58
 \neq
 -0.581