

a -7

b 14

c 21

$$x = \frac{-14 \pm \sqrt{14^2 - 4 \cdot (-7) \cdot 21}}{2 \cdot (-7)}$$

$$x = \frac{-14 \pm \sqrt{784}}{-14}$$

$$x = \frac{-14 \pm 28}{-14}$$

1

3

2


a 2

b -14

c 24

$$y = \frac{-14 \pm \sqrt{14^2 - 4 \cdot 2 \cdot 24}}{2 \cdot 2}$$

$$x = \frac{-14 \pm \sqrt{4}}{4}$$

$$x = \frac{-14 \pm 2}{4}$$


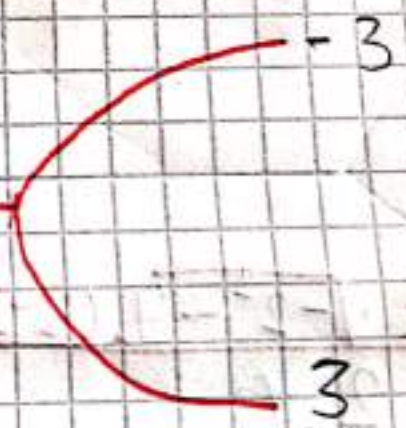
The diagram shows a red bracket on the right side of the equation, grouping the two possible solutions for x. The top branch of the bracket is labeled with a circled '3' and the bottom branch is labeled with a '4'.

a 3
b -7
c 63

$$x = \frac{-0 \pm \sqrt{0 - 4(-7) \cdot 63}}{2 \cdot (-7)}$$

$$x = \frac{-0 \pm \sqrt{1764}}{-14}$$

$$x = \frac{-0 \pm 42}{-14}$$



4
a x
b -7
c -4

$$\frac{7 \pm \sqrt{-7^2 - 4 \cdot 0 \cdot (-4)}}{2 \cdot 0}$$

x $\frac{7 \pm \sqrt{65}}{2}$

5
a x
b -2
c -2

$$\frac{2 \pm \sqrt{-2^2 - 4 \cdot 0 \cdot (-2)}}{2 \cdot 0}$$

$$= 1 + \sqrt{3}, 1 - \sqrt{3}$$

$$\begin{aligned} 6 & \quad a_1 x^2 \\ & \quad b \quad 0 \\ & \quad c \quad -24 \end{aligned}$$

$$0 \pm \sqrt{0^2 - 4 \cdot 6 \cdot (-24)}$$

2.4

$$0 \pm 19.5$$

8

-6

$$\begin{aligned} 7 & \quad a \quad 2 \\ & \quad b \quad -6 \\ & \quad c \quad -2 \end{aligned}$$

$$6 \pm \sqrt{-6^2 - 4 \cdot 2 \cdot (-2)}$$

2.2

$$6 \pm \sqrt{52}$$

4

$$6 \pm 2.2$$

4

3.3

-0.3

$$x = \frac{5 + \sqrt{23}}{2}, \frac{5 - \sqrt{23}}{2}$$

3

a -14

b 4

c 14

$$x = \frac{1 + \sqrt{29}}{4}, \frac{1 - \sqrt{29}}{4}$$