

“Two★- Step”

“Multi★-Step”

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“One-Step”

(Addition &
Subtraction)

“One-Step”

(Multiplication
& division)

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Example 1:

$$k^2 - 25 = 0$$

Example 3:

$$-3x^2 = -27$$

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Example 2:

$$p^2 + 19 = 10$$

Example 4:

$$\frac{b^2}{2} = 25$$

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$$p^2 + 19 = 10$$

Example 4:

$$\frac{b^2}{2} = 25$$

Example 5:

$$3b^2 - 20 = 88$$

Example 7:

$$4(x + 2)^2 = 100$$

Example 5:

$$3b^2 - 20 = 88$$

Example 7:

$$4(x + 2)^2 = 100$$

Example 6:

$$2h^2 - 42 = -22$$

Example 8:

$$5(n + 1)^2 = 33$$

Example 6:

$$2h^2 - 42 = -22$$

Example 8:

$$5(n + 1)^2 = 33$$

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Answer
Key

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Example 1:

$$\begin{aligned} k^2 - 25 &= 0 \\ +25 &+25 \\ k^2 &= 25 \\ \sqrt{k^2} &= \sqrt{25} \\ k &= \pm 5 \end{aligned}$$

Example 2:

$$\begin{aligned} p^2 + 19 &= 10 \\ -19 &-19 \\ p^2 &= -9 \end{aligned}$$

No solution!

Example 3:

$$\begin{aligned} -3x^2 &= -27 \\ -3 &-3 \\ x^2 &= 9 \\ \sqrt{x^2} &= \sqrt{9} \\ x &= \pm 3 \end{aligned}$$

Example 4:

$$\begin{aligned} *2 \frac{b^2}{2} &= 25 *2 \\ b^2 &= 50 \\ \sqrt{b^2} &= \sqrt{50} \\ b &= \pm 5\sqrt{2} \end{aligned}$$

Example 1:

$$k^2 - 25 = 0$$

Example 2:

$$p^2 + 19 = 10$$

Example 3:

$$-3x^2 = -27$$

Example 4:

$$\frac{b^2}{2} = 25$$

Example 5:

$$\begin{aligned} 3b^2 - 20 &= 88 \\ +20 &+20 \\ 3b^2 &= 108 \\ b^2 &= 36 \\ \sqrt{b^2} &= \sqrt{36} \\ b &= 6 \end{aligned}$$

Example 6:

$$\begin{aligned} 2h^2 - 42 &= -22 \\ 2h^2 &= 20 \\ h^2 &= 10 \\ \sqrt{h^2} &= \sqrt{10} \\ h &= \pm \sqrt{10} \end{aligned}$$

Example 7:

$$\begin{aligned} 4(x + 2)^2 &= 100 \\ (x + 2)^2 &= 25 \\ x + 2 &= \pm 5 \\ x + 2 = 5 & \quad x + 2 = -5 \\ x = 3 & \quad x = -7 \end{aligned}$$

Example 8:

$$\begin{aligned} 5(n + 1)^2 &= 33 \\ (n + 1)^2 &= 6.6 \\ n + 1 &= \pm 2.57 \\ n + 1 = 2.57 & \quad n + 1 = -2.57 \\ n = 1.57 & \quad n = -3.57 \end{aligned}$$

Example 5:

$$3b^2 - 20 = 88$$

Example 6:

$$2h^2 - 42 = -22$$

Example 7:

$$4(x + 2)^2 = 100$$

Example 8:

$$5(n + 1)^2 = 33$$

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Print pages 1 & 2 so that the writing is facing in opposite directions.

Cut the page in half (creating two foldables per page)

The final product should look like this:

