

"Two-Step"

"Multi-Step"

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"One-Step"

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(Addition &  
Subtraction)

(Multiplication  
& Division)

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Subtraction)

(Multiplication  
& Division)

Example 1:

$$k^2 - 25 = 0$$

Example 3:

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

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Example 2:

$$p^2 + 19 = 10$$

Example 4:

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

Example 2:

$$p^2 + 19 = 10$$

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:

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

“Two★-Step” “Multi-Step”

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Answer  
Key

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“One-Step”

(ADDITION &  
SUBTRACTION)

“One-Step”

(MULTIPLICATION  
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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:

