

2.4
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SOLVE EQUATIONS W/ VARIABLES ON BOTH SIDES OF THE EQUAL SIGN.

FIND the side w/ the fewest variables & "subtract" those from each side. (-10) or .20

When do they become equal?

$$\begin{array}{r}
 24.95 + .10m \\
 - .10m \\
 \hline
 24.95 \\
 - 19.95 \\
 \hline
 5.00 \\
 .10
 \end{array}
 =
 \begin{array}{r}
 19.95 + .20m \\
 - .10m \\
 \hline
 19.95 + .10m \\
 - 19.95 \\
 \hline
 .10m \\
 .10
 \end{array}$$

$$50 = m$$

EXAMPLES

$$\begin{array}{r}
 8 + 4d \\
 - 4d \\
 \hline
 8 = 2d \\
 2 = 2 \\
 \hline
 4 = d
 \end{array}$$

$$\begin{array}{r}
 8a = 5a + 21 \\
 - 5a \\
 \hline
 3a = 21 \\
 3 = 3 \\
 \hline
 a = 7
 \end{array}$$

$$\begin{array}{r}
 6n - 1 \\
 - 4n \\
 \hline
 2n - 1 = -5 \\
 + 1 = + 1 \\
 \hline
 2n = -4 \\
 2 = 2 \\
 \hline
 n = -2
 \end{array}$$

$$\begin{array}{r}
 3x - 7 \\
 - 3x \\
 \hline
 -7 = 8x + 23 \\
 - 23 = - 23 \\
 \hline
 -30 = 5x \\
 5 = 5 \\
 \hline
 -6 = x
 \end{array}$$