

⑥ $\frac{(2^2)(2)}{1+3}$

PE $(\vec{nD})(\vec{AS})$

$(\text{base})^{\text{exponent}}$

$\Rightarrow (\text{base})(\text{base})\dots$

base time itself the
exponent number of times

$\frac{(2 \cdot 2)(2)}{4}$

$\frac{4(2)}{4} = \frac{8}{4} = \frac{2}{1} = \boxed{2}$

coefficient

↓
constant variable

GRE

⑦

$3x = 15$

$\boxed{x=5}$

LEFT
SIDE

RIGHT
SIDE

SOLUTION TO
AN EQUATION

VALUE(S) of the variable
which when substituted into
the equation make a true
statement

CK $3(5) = 15 \checkmark$

$$\textcircled{2x} \quad \begin{array}{c} \downarrow \\ 3x = \frac{15}{3} \end{array}$$

$$\boxed{x = 5}$$

$$\underline{\underline{ck}} \quad 3(5) \stackrel{?}{=} 15 \checkmark$$

$$\textcircled{1} \quad \begin{array}{c} \downarrow \\ x \end{array} \begin{array}{c} + \\ (-16) \end{array} = 0$$

$$\begin{array}{r} x + 16 = 0 \\ -16 \quad -16 \end{array}$$

$$\boxed{x = -16}$$

$$\underline{\underline{ck}} \quad \begin{array}{c} + \\ (-16) \end{array} \begin{array}{c} + \\ (-16) \end{array} \stackrel{?}{=} 0$$

$$-16 + 16 \stackrel{?}{=} 0$$

$$0 \stackrel{?}{=} 0 \checkmark$$

$$\textcircled{3} \quad \begin{array}{c} \downarrow \\ -20 \end{array} - k = -7$$

$$\begin{array}{r} -k \\ \hline -1 \end{array} = \begin{array}{r} 13 \\ \hline -1 \end{array}$$

$$\boxed{k = -13}$$

$$\underline{\underline{ck}} \quad -20 \begin{array}{c} + \\ (-13) \end{array} \stackrel{?}{=} -7$$

$$-20 + 13 \stackrel{?}{=} -7$$

$$-7 \stackrel{?}{=} -7 \checkmark$$

$$\textcircled{9} \quad \frac{27}{10} = -\frac{1}{4} + \downarrow \checkmark$$

$$+\frac{1}{4} \quad +\frac{1}{4}$$

$$\frac{59}{20} = \checkmark$$

$$\boxed{\checkmark = \frac{59}{20}}$$

$$\frac{27}{10} + \frac{1}{4} = \frac{54}{20} + \frac{5}{20}$$

$$\underline{\underline{CK}} \quad \frac{27}{10} \stackrel{?}{=} -\frac{1}{4} + \left(\frac{59}{20} \right)$$

$$\frac{27}{10} \stackrel{?}{=} -\frac{5}{20} + \frac{59}{20}$$

$$\frac{27}{10} \stackrel{?}{=} \frac{54}{20}$$

$$\frac{27}{10} \stackrel{?}{=} \frac{27}{10} \checkmark$$

$$\begin{array}{r} \downarrow \\ \textcircled{25} \quad a - 5.036 = 8.864 \\ \quad \quad \quad + 5.036 \quad 5.036 \end{array}$$

$$a = 13.900$$

$$\underline{\underline{CK}} \quad (13.900) - 5.036 \stackrel{?}{=} 8.864$$

$$\begin{array}{r} 13.900 \\ - 5.036 \\ \hline 8.864 \end{array}$$

$$8.864 \stackrel{?}{=} 8.864 \checkmark$$