

Review Quiz #13

① $y - z$
 $6 - 2 = \textcircled{4}$

② $x^2 + y$
 $(\frac{1}{2})^2 + 6$
 $\frac{1}{2} \cdot \frac{1}{2}$

$\frac{1}{4} + 6 = \textcircled{6\frac{1}{4}}$

③ $9 \times \frac{1}{2} + 1 =$
 ↓ ↓ ↓
 * op +

↓
 $(\frac{1}{2})^2$

$9 * \frac{1}{4}$

$\frac{9}{4} + 1$

$2\frac{1}{4} + 1 = \textcircled{3\frac{1}{4}}$

expression → ^{math} unsolved problem

$3x$
 $4 + y$

$x = \frac{1}{2}$
 $y = 6$
 $z = 2$

$2^4 = 16$
 $2^3 = 8$
 $2^2 = 4$
 $2^1 = 2$
 $2^0 = 1$
 $2^{-1} = \frac{1}{2}$
 $2^{-2} = \frac{1}{4}$
 $2^{-3} = \frac{1}{8}$
 $2^{-4} = \frac{1}{16}$

④ $22 \div 2 * 3^2 =$

$11 \times \frac{9}{1} = \textcircled{99}$

⑤ $2x \quad 3x^2$

⑥ ^{5y}
variable
 letter rep. an unknown

⑦ constant = number

equation = balance

$2 + x = 4$
 $4 - 3 = 1$

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$$\begin{aligned} X &= \frac{1}{2} \\ y &= 6 \\ z &= 2 \end{aligned}$$

① $y - z$
 $6 - 2 = \textcircled{4}$

② $x^2 + y$
 $(\frac{1}{2})^2 + 6$
 $\frac{1}{2} \cdot \frac{1}{2}$

$$\frac{1}{4} + 6 = \textcircled{6\frac{1}{4}}$$

$$\begin{aligned} 2^4 &= 16 \\ 2^3 &= 8 \\ 2^2 &= 4 \\ 2^1 &= 2 \\ 2^0 &= 1 \\ 2^{-1} &= \frac{1}{2} \\ 2^{-2} &= \frac{1}{4} \\ 2^{-3} &= \frac{1}{8} \\ 2^{-4} &= \frac{1}{16} \end{aligned}$$

③ $9 \times \frac{1}{2} + 1 =$

$\downarrow \quad \downarrow \quad \downarrow$
 $* \quad \text{exp} \quad +$

$$\downarrow$$

$$\left(\frac{1}{2}\right)^2$$

$$9 * \frac{1}{4}$$

$$\frac{9}{4} + 1$$

$$2\frac{1}{4} + 1 = \textcircled{3\frac{1}{4}}$$

④ $22 \div 2 * 3^2 =$

$$11 \times 9 = \textcircled{99}$$

⑤ $2x \quad 3x^2$

⑥ $\frac{5y}{\text{variable}}$
 letter rep. an unknown

⑦ constant = number

expression \rightarrow unsolved ^{math} problem

$$\begin{aligned} 3x \\ 4 + y \end{aligned}$$

equation = balance

$$\begin{aligned} 2 + x &= 4 \\ 4 - 3 &= 1 \end{aligned}$$