

stress test

1. $\ddot{e} \propto \dot{a} \propto \dot{e}^3 \dot{a}^{\circ} \dot{e}^{2\circ} \dot{e}^{31/4} \dot{a}^{\circ} \ddot{e} \ddot{e} \ddot{a} \ddot{e} \ddot{e} \cdot \dot{e}^{31/4} \ddot{e} \propto \ddot{e} \ddot{Y}_\bullet$
 $\dot{a} \ddot{e} \ddot{e} ? (\ddot{e} \ddot{a}, a \neq 0, b \neq 0)$

- ① $a^4 \times a^4 \times a$
- ② $a^{18} \div a^2$
- ③ $(a^3)^5 \div a^6$
- ④ $(a^3b^2)^3 \div (b^3)^2$
- ⑤ $(a^3)^3$

- $$2. \quad a^3 \times b^x \times a^y \times b^4 = a^9 b^{10} \quad \text{if } x - y = 6.$$

- $$3. \quad \left(\frac{a^2 b^\square}{a^\square b^2}\right)^4 = \frac{b^8}{a^4} \quad \square \quad \hat{e}^3 \mu \quad \frac{1}{4} \hat{e}_i \quad \hat{e} \propto \hat{e}^\circ$$

- $$4. \quad A = \frac{2x-y}{2}, \quad B = \frac{x+3y+2}{3} \quad \text{à } \frac{1}{4} \text{ è } , \quad A - \{2A - 3B - 3(A - 2B)\} \text{ è } \frac{1}{4} x, y \text{ è } \hat{e}' \text{ í } \text{ à } \frac{1}{4} \text{ è } \hat{e} \text{ í } \hat{e} \text{ 'í } \hat{e} \text{ 'í } \frac{1}{4}.$$

5. $5^5i \quad 25e^2 \quad \ddot{e} \acute{e} \grave{e} \neg \grave{e} \gg \quad \hat{e}^\circ \grave{e} \quad 5i \quad \hat{e}^\pm e^\circ \neg i \quad \hat{e}^3 \pm i \frac{1}{4} \ddot{e} j$
 $\ddot{e} \acute{e} \grave{e} \text{ , } \hat{e}^2 \grave{e} \text{ ?}$

- ① $5^5 + 25$ ② $5^5 \times 25$ ③ 5^7
④ $(5^5)^2$ ⑤ $(5^5)^{25}$

6. $\ddot{e} \propto \ddot{r} \propto \dot{e}^3 \propto \dot{e}^{2\alpha} \dot{e}^{31/4\alpha} \propto ab \propto \underline{\ddot{e}} \propto \dot{e}^2 \propto ?$

- ① $a^2b \times a^2b^3 \div a^3b^3$
- ② $(-a)^2 \div ab \times b^2$
- ③ $a^3b^4 \div (-a) \div (-ab^3)$
- ④ $ab^2 \times a^2b \div (-ab)^2$
- ⑤ $b \div a^3 \times a^4b$

7. $\ddot{e} \propto \dot{\iota} \propto \dot{\iota} \propto \dot{\iota}^3 \hat{e}^2 \ddot{e}^a \hat{e}^3 \ddot{e}_{\Upsilon} \hat{e}^2 \dot{\iota}$?

$$\ddot{e}^3 \hat{e}_\circ$$

- $$\begin{aligned} \textcircled{1} \quad & (x^9)^2 \div (x^2)^3 = x^3 \\ \textcircled{2} \quad & x^5 \times x^5 \times x^2 = x^{50} \\ \textcircled{3} \quad & x^{10} \div x^5 \div x^5 = 0 \\ \textcircled{4} \quad & 2^3 \div 2^x = \frac{1}{8} \text{ i } \frac{1}{4} \ddot{\text{e}} \text{ , } x = 6 \\ \textcircled{5} \quad & 2^{2+2} = a \times 2^2 \text{ i } \frac{1}{4} \ddot{\text{e}} \text{ , } a = 4 \end{aligned}$$

- ① $\odot$
- ② $\cap, \cup, \ominus$
- ③ $\subset, \subseteq, \sqsubset$
- ④ $\subseteq, \sqsubset$
- ⑤ $\cap, \cup, \subset, \subseteq$

8. $(5x - 6)(4x + 3)$ ÷ $\hat{e}^\circ$ í ÷ ÷ ?

- ① $20x^2 + 2x - 18$ ② $20x^2 + 4x - 18$
③ $20x^2 + 6x - 18$ ④ $20x^2 - 9x + 18$
⑤ $20x^2 - 9x - 18$

9. $a = \frac{1}{2}, b = -\frac{2}{3}, c = -\frac{3}{4}$ ¼ ẽ , $\frac{a-b}{a+c} - ab + \frac{b}{c}$ ¼ ẽ° ¼ ẽµí ẽ©'?

- ① $\frac{31}{9}$ ② $\frac{28}{9}$ ③ $-\frac{31}{3}$
 ④ $-\frac{31}{9}$ ⑤ $-\frac{28}{9}$

10. ẽ µì ¼ ¼ ẽ² ¼ ?

- ① $4 \times (-2)^3 = 32$
 ② $(-2)^2 \times (-2)^2 = -16$
 ③ $(-2)^2 \times (-8) = -32$
 ④ $9 \times 3^2 = 3^3$
 ⑤ $(-3) \times (-3)^3 = -3^4$

11. ẽ µì ¼ ¼ ẽ² ¼ ?

- ① $(-1)^2 \times (-1)^4 = (-1)^8$
 ② $3^2 \times 3^3 = 3^6$
 ③ $(-2) \times (-2)^3 = (-2)^3$
 ④ $4^3 \times 4^2 = 4^5$
 ⑤ $(-3)^2 \times (-3) = 3^2$

12. ẽ µì ¼ ¼ ẽ§ ¼ ¼ ẽ¼¼ ¼ ẽ ¢ì ´ẽ ¼.

$$\left(-3x \text{ } y^2\right)^3 = -27x^{12}y \text{ }$$

13. $2^{12} \times 5^{13}$ ¼ ẽª ¼ ẽ|í ¼ ¼ ¼§ ẽµí ¼ ẽ¼.

14. ẽ µì ẽ³ ¼° ¼ ¼ ẽ² ¼ ẽª"ẽ ẽ³ ẽ¥'ẽ©'?

- ① $-(a-5b) = a+5b$
 ② $-x(-3x+y) = 3x^2 - xy$
 ③ $2x(3x-6) = 6x^2 - 6x$
 ④ $3x(2x-3y) - 2y(x+y) = 6x^2 - 11xy - 2y^2$
 ⑤ $-x(x-y+2) + 3y(2x+y+4) = -x^2 + 7xy - 2x + 3y^2 + 12y$

15. ¼ ¼ a, b ¼ ẽ í ¼ $3x - 5y - \{y - 2(2x + 3y)\} = ax + by$ ¼ ẽ , $a + b$ ¼ ẽ° ¼ ẽµí ¼ ẽ¼.

