

stress test

$$1. \quad \left(\frac{a^2 b^\square}{a^\square b^2} \right)^4 = \frac{b^8}{a^4}$$

[illegible]

$\hat{e}^\circ \hat{i}$

$$\begin{aligned} & (-2x)^2 \times x^2y^3 \div (xy)^2 \\ &= -2^2x^2 \times x^2y^3 \div x^2y^2 \\ &= -4x^2 \times x^2y^3 \div x^2y^2 \\ &= -4 \times x^{2 \times 2 \times 2} \times y^{3 \times 2} \\ &= -4 \times x^8 \times y^6 \\ &= -4x^8y^6 \end{aligned}$$

$\ddot{e}^{-}, i\delta$

$$\begin{aligned} & (-2x)^2 \times x^2y^3 \div (xy)^2 \\ &= (-2)^2x^2 \times x^2y^3 \div x^2y^2 \\ &= 4x^2 \times x^2y^3 \div x^2y^2 \\ &= 4 \times x^{2+2-2} \times y^{3-2} \\ &= 4 \times x^2 \times y^1 \\ &= 4x^2y \end{aligned}$$

3. $\text{e}^{\circ}\ddot{\text{e}}\odot\grave{\text{i}} \quad \hat{\text{e}}^{\circ}\ddot{\text{e}}_{\text{j}}\grave{\text{i}} \quad \hat{\text{e}}_{\text{s},\text{l}}\acute{\text{'e}}^{\circ} \quad 2a\grave{\text{i}}_{\text{s}}\grave{\text{i}}\S\grave{\text{i}}-\text{e}^{\circ}\acute{\text{i}}\grave{\text{i}} \quad \ddot{\text{e}}\grave{\text{i}}\acute{\text{'e}}^{\circ}$
 $4a^3-2a^2b\grave{\text{i}}\frac{1}{4}\ddot{\text{e}},\grave{\text{i}}_{\text{s}}\ddot{\text{e}}_{\text{j}}\grave{\text{i}} \quad \hat{\text{e}}_{\text{s},\text{l}}\acute{\text{'e}}$?

$$4a^3 - 2a^2b$$

$-2a$

① $a^2 - a$

② $2a^2 + a$

③ $2a^2 - b$

④ $2a^2 - ab$

⑤ $2a^2 + ab$

4. $\hat{e}_{\alpha} \hat{e}_{\beta} \hat{e}_{\gamma} \hat{e}_{\delta} \hat{e}_{\epsilon} \hat{e}_{\zeta} \hat{e}_{\eta} \hat{e}_{\theta} \hat{e}_{\iota} \hat{e}_{\kappa} \hat{e}_{\lambda} \hat{e}_{\mu} \hat{e}_{\nu} \hat{e}_{\xi} \hat{e}_{\omicron} \hat{e}_{\pi} \hat{e}_{\rho} \hat{e}_{\sigma} \hat{e}_{\tau} \hat{e}_{\upsilon} \hat{e}_{\phi} \hat{e}_{\chi} \hat{e}_{\psi} \hat{e}_{\omega} \hat{e}_{\delta} \hat{e}_{\epsilon} \hat{e}_{\zeta} \hat{e}_{\eta} \hat{e}_{\theta} \hat{e}_{\iota} \hat{e}_{\kappa} \hat{e}_{\lambda} \hat{e}_{\mu} \hat{e}_{\nu} \hat{e}_{\xi} \hat{e}_{\omicron} \hat{e}_{\pi} \hat{e}_{\rho} \hat{e}_{\sigma} \hat{e}_{\tau} \hat{e}_{\upsilon} \hat{e}_{\phi} \hat{e}_{\chi} \hat{e}_{\psi} \hat{e}_{\omega}$

5. $x \times (x^3)^4 \times x^3 = e^3$?

$$\textcircled{1} \ x^{14}$$

② x^{15}

③ x^{16}

④ x^{17}

⑤ x^{18}

6. $\frac{2^{15} \times 15^{20}}{45^{10}}$ ì ëª ªììì ,ê°?

① 8 자리

② 10 자리

③ 11 자리

④ 12 자리

⑤ 13 자리

23.

$$\begin{vmatrix} a & b \\ c & d \end{vmatrix} =$$

$$ad - bc$$

$$\begin{vmatrix} x+2y-3 & -\frac{3}{2} \\ y-x+1 & \frac{1}{2} \end{vmatrix}$$

- ① $x - \frac{5}{2}y - 3$ ② $x - \frac{3}{2}y - 2$
 ③ $x + \frac{3}{2}y - 1$ ④ $-x + \frac{5}{2}y$
 ⑤ $-x + \frac{7}{2}y$

24. $(x_1, y_1), (x_2, y_2)$

$$(x_2, y_2) = x_1x_2 + x_1y_2 + y_1x_2 + y_1y_2$$

$$(2x, y) \times (-y, 3x)$$

- ① $-6x^2 + 2xy - y^2$ ② $-6x^2 + xy + 3y^2$
 ③ $2x^2 - xy - y^2$ ④ $6x^2 + xy - y^2$
 ⑤ $6x^2 - xy + 3y^2$

25. $(a+b+c-d)(-a+b+c+d) + (a+b-c+d)(a-b+c+d)$

$$ad - bc$$

- ① $2ad + 2bc$ ② $3ad + 3bc$ ③ $4ad + 4bc$
 ④ $3ad - 3bc$ ⑤ $4ad - 4bc$