

入試対策プリント（計算等基本問題） 22日目 解答と解説

【解答】 (1)  $-63$  (2)  $\frac{1}{20}x$  (3)  $-a + 25b$  (4)  $7 - 2\sqrt{10}$  (5)  $(x-6)(x+6)$   
(6)  $x = \frac{-5 \pm \sqrt{29}}{2}$

$$\begin{aligned} (1) & (-9) \times 7 \\ & = -(9 \times 7) \\ & = -63 \end{aligned}$$

$$\begin{aligned} (2) & \frac{4}{5}x - \frac{3}{4}x \\ & = \frac{16}{20}x - \frac{15}{20}x \\ & = \frac{1}{20}x \end{aligned}$$

$$\begin{aligned} (3) & 7(a-b) - 4(2a-8b) \\ & = 7a - 7b - 8a + 32b \\ & = -a + 25b \end{aligned}$$

$$\begin{aligned} (4) & (\sqrt{5} - \sqrt{2})^2 \\ & = (\sqrt{5})^2 - 2 \times \sqrt{5} \times \sqrt{2} + (\sqrt{2})^2 \\ & = 5 - 2\sqrt{10} + 2 \\ & = 7 - 2\sqrt{10} \end{aligned}$$

$$\begin{aligned} (5) & x^2 - 36 \\ & = (x-6)(x+6) \end{aligned}$$

$$\begin{aligned} (6) & x^2 + 5x - 1 = 0 \\ & x = \frac{-5 \pm \sqrt{5^2 - 4 \times 1 \times (-1)}}{2} \\ & x = \frac{-5 \pm \sqrt{29}}{2} \end{aligned}$$