

■ 次の式の空欄に正しい数字をあてはめて、整数の平方の差を求めなさい。

①  $67^2 - 27^2$

$$67^2 - 27^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

②  $79^2 - 21^2$

$$79^2 - 21^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

③  $39^2 - 29^2$

$$39^2 - 29^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

④  $52^2 - 38^2$

$$52^2 - 38^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑤  $52^2 - 22^2$

$$52^2 - 22^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑥  $48^2 - 38^2$

$$48^2 - 38^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑦  $48^2 - 12^2$

$$48^2 - 12^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑧  $63^2 - 27^2$

$$63^2 - 27^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑨  $43^2 - 13^2$

$$43^2 - 13^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑩  $42^2 - 28^2$

$$42^2 - 28^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

■ 次の式の空欄に正しい数字をあてはめて、整数の平方の差を求めなさい。

①  $67^2 - 27^2$

$$\begin{aligned} 67^2 - 27^2 &= \left( \boxed{67} + \boxed{27} \right) \left( \boxed{67} - \boxed{27} \right) \\ &= \boxed{94} \times \boxed{40} \\ &= \boxed{3760} \end{aligned}$$

②  $79^2 - 21^2$

$$\begin{aligned} 79^2 - 21^2 &= \left( \boxed{79} + \boxed{21} \right) \left( \boxed{79} - \boxed{21} \right) \\ &= \boxed{100} \times \boxed{58} \\ &= \boxed{5800} \end{aligned}$$

③  $39^2 - 29^2$

$$\begin{aligned} 39^2 - 29^2 &= \left( \boxed{39} + \boxed{29} \right) \left( \boxed{39} - \boxed{29} \right) \\ &= \boxed{68} \times \boxed{10} \\ &= \boxed{680} \end{aligned}$$

④  $52^2 - 38^2$

$$\begin{aligned} 52^2 - 38^2 &= \left( \boxed{52} + \boxed{38} \right) \left( \boxed{52} - \boxed{38} \right) \\ &= \boxed{90} \times \boxed{14} \\ &= \boxed{1260} \end{aligned}$$

⑤  $52^2 - 22^2$

$$\begin{aligned} 52^2 - 22^2 &= \left( \boxed{52} + \boxed{22} \right) \left( \boxed{52} - \boxed{22} \right) \\ &= \boxed{74} \times \boxed{30} \\ &= \boxed{2220} \end{aligned}$$

⑥  $48^2 - 38^2$

$$\begin{aligned} 48^2 - 38^2 &= \left( \boxed{48} + \boxed{38} \right) \left( \boxed{48} - \boxed{38} \right) \\ &= \boxed{86} \times \boxed{10} \\ &= \boxed{860} \end{aligned}$$

⑦  $48^2 - 12^2$

$$\begin{aligned} 48^2 - 12^2 &= \left( \boxed{48} + \boxed{12} \right) \left( \boxed{48} - \boxed{12} \right) \\ &= \boxed{60} \times \boxed{36} \\ &= \boxed{2160} \end{aligned}$$

⑧  $63^2 - 27^2$

$$\begin{aligned} 63^2 - 27^2 &= \left( \boxed{63} + \boxed{27} \right) \left( \boxed{63} - \boxed{27} \right) \\ &= \boxed{90} \times \boxed{36} \\ &= \boxed{3240} \end{aligned}$$

⑨  $43^2 - 13^2$

$$\begin{aligned} 43^2 - 13^2 &= \left( \boxed{43} + \boxed{13} \right) \left( \boxed{43} - \boxed{13} \right) \\ &= \boxed{56} \times \boxed{30} \\ &= \boxed{1680} \end{aligned}$$

⑩  $42^2 - 28^2$

$$\begin{aligned} 42^2 - 28^2 &= \left( \boxed{42} + \boxed{28} \right) \left( \boxed{42} - \boxed{28} \right) \\ &= \boxed{70} \times \boxed{14} \\ &= \boxed{980} \end{aligned}$$