

■ 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 $52^2 - 38^2$

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

$$= \quad \times \quad$$

$$= \quad$$

② $29^2 - 19^2$

$$29^2 - 19^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

③ $56^2 - 26^2$

$$56^2 - 26^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

④ $52^2 - 32^2$

$$52^2 - 32^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑤ $69^2 - 21^2$

$$69^2 - 21^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑥ $73^2 - 17^2$

$$73^2 - 17^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑦ $41^2 - 29^2$

$$41^2 - 29^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑧ $26^2 - 24^2$

$$26^2 - 24^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑨ $21^2 - 19^2$

$$21^2 - 19^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑩ $84^2 - 16^2$

$$84^2 - 16^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

■ 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 $52^2 - 38^2$

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

② $29^2 - 19^2$

$$\begin{aligned} 29^2 - 19^2 &= \left(\boxed{29} + \boxed{19} \right) \left(\boxed{29} - \boxed{19} \right) \\ &= \boxed{48} \times \boxed{10} \\ &= \boxed{480} \end{aligned}$$

③ $56^2 - 26^2$

$$\begin{aligned} 56^2 - 26^2 &= \left(\boxed{56} + \boxed{26} \right) \left(\boxed{56} - \boxed{26} \right) \\ &= \boxed{82} \times \boxed{30} \\ &= \boxed{2460} \end{aligned}$$

④ $52^2 - 32^2$

$$\begin{aligned} 52^2 - 32^2 &= \left(\boxed{52} + \boxed{32} \right) \left(\boxed{52} - \boxed{32} \right) \\ &= \boxed{84} \times \boxed{20} \\ &= \boxed{1680} \end{aligned}$$

⑤ $69^2 - 21^2$

$$\begin{aligned} 69^2 - 21^2 &= \left(\boxed{69} + \boxed{21} \right) \left(\boxed{69} - \boxed{21} \right) \\ &= \boxed{90} \times \boxed{48} \\ &= \boxed{4320} \end{aligned}$$

⑥ $73^2 - 17^2$

$$\begin{aligned} 73^2 - 17^2 &= \left(\boxed{73} + \boxed{17} \right) \left(\boxed{73} - \boxed{17} \right) \\ &= \boxed{90} \times \boxed{56} \\ &= \boxed{5040} \end{aligned}$$

⑦ $41^2 - 29^2$

$$\begin{aligned} 41^2 - 29^2 &= \left(\boxed{41} + \boxed{29} \right) \left(\boxed{41} - \boxed{29} \right) \\ &= \boxed{70} \times \boxed{12} \\ &= \boxed{840} \end{aligned}$$

⑧ $26^2 - 24^2$

$$\begin{aligned} 26^2 - 24^2 &= \left(\boxed{26} + \boxed{24} \right) \left(\boxed{26} - \boxed{24} \right) \\ &= \boxed{50} \times \boxed{2} \\ &= \boxed{100} \end{aligned}$$

⑨ $21^2 - 19^2$

$$\begin{aligned} 21^2 - 19^2 &= \left(\boxed{21} + \boxed{19} \right) \left(\boxed{21} - \boxed{19} \right) \\ &= \boxed{40} \times \boxed{2} \\ &= \boxed{80} \end{aligned}$$

⑩ $84^2 - 16^2$

$$\begin{aligned} 84^2 - 16^2 &= \left(\boxed{84} + \boxed{16} \right) \left(\boxed{84} - \boxed{16} \right) \\ &= \boxed{100} \times \boxed{68} \\ &= \boxed{6800} \end{aligned}$$