

■ 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  $66^2 - 16^2$

$$66^2 - 16^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

②  $53^2 - 23^2$

$$53^2 - 23^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

③  $22^2 - 12^2$

$$22^2 - 12^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

④  $57^2 - 23^2$

$$57^2 - 23^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑤  $34^2 - 16^2$

$$34^2 - 16^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑥  $68^2 - 32^2$

$$68^2 - 32^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑦  $52^2 - 38^2$

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

$$= \square \times \square$$

$$= \square$$

⑧  $41^2 - 31^2$

$$41^2 - 31^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑨  $71^2 - 29^2$

$$71^2 - 29^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

⑩  $44^2 - 26^2$

$$44^2 - 26^2 = (\square + \square)(\square - \square)$$

$$= \square \times \square$$

$$= \square$$

■ 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  $66^2 - 16^2$

$$\begin{aligned} 66^2 - 16^2 &= \left( \boxed{66} + \boxed{16} \right) \left( \boxed{66} - \boxed{16} \right) \\ &= \boxed{82} \times \boxed{50} \\ &= \boxed{4100} \end{aligned}$$

②  $53^2 - 23^2$

$$\begin{aligned} 53^2 - 23^2 &= \left( \boxed{53} + \boxed{23} \right) \left( \boxed{53} - \boxed{23} \right) \\ &= \boxed{76} \times \boxed{30} \\ &= \boxed{2280} \end{aligned}$$

③  $22^2 - 12^2$

$$\begin{aligned} 22^2 - 12^2 &= \left( \boxed{22} + \boxed{12} \right) \left( \boxed{22} - \boxed{12} \right) \\ &= \boxed{34} \times \boxed{10} \\ &= \boxed{340} \end{aligned}$$

④  $57^2 - 23^2$

$$\begin{aligned} 57^2 - 23^2 &= \left( \boxed{57} + \boxed{23} \right) \left( \boxed{57} - \boxed{23} \right) \\ &= \boxed{80} \times \boxed{34} \\ &= \boxed{2720} \end{aligned}$$

⑤  $34^2 - 16^2$

$$\begin{aligned} 34^2 - 16^2 &= \left( \boxed{34} + \boxed{16} \right) \left( \boxed{34} - \boxed{16} \right) \\ &= \boxed{50} \times \boxed{18} \\ &= \boxed{900} \end{aligned}$$

⑥  $68^2 - 32^2$

$$\begin{aligned} 68^2 - 32^2 &= \left( \boxed{68} + \boxed{32} \right) \left( \boxed{68} - \boxed{32} \right) \\ &= \boxed{100} \times \boxed{36} \\ &= \boxed{3600} \end{aligned}$$

⑦  $52^2 - 38^2$

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

⑧  $41^2 - 31^2$

$$\begin{aligned} 41^2 - 31^2 &= \left( \boxed{41} + \boxed{31} \right) \left( \boxed{41} - \boxed{31} \right) \\ &= \boxed{72} \times \boxed{10} \\ &= \boxed{720} \end{aligned}$$

⑨  $71^2 - 29^2$

$$\begin{aligned} 71^2 - 29^2 &= \left( \boxed{71} + \boxed{29} \right) \left( \boxed{71} - \boxed{29} \right) \\ &= \boxed{100} \times \boxed{42} \\ &= \boxed{4200} \end{aligned}$$

⑩  $44^2 - 26^2$

$$\begin{aligned} 44^2 - 26^2 &= \left( \boxed{44} + \boxed{26} \right) \left( \boxed{44} - \boxed{26} \right) \\ &= \boxed{70} \times \boxed{18} \\ &= \boxed{1260} \end{aligned}$$