

■ 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  $66^2 - 16^2$

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

$$= \quad \times \quad$$

$$= \quad$$

②  $38^2 - 32^2$

$$38^2 - 32^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

③  $48^2 - 32^2$

$$48^2 - 32^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

④  $39^2 - 21^2$

$$39^2 - 21^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑤  $53^2 - 13^2$

$$53^2 - 13^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑥  $39^2 - 29^2$

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

$$= \quad \times \quad$$

$$= \quad$$

⑦  $51^2 - 21^2$

$$51^2 - 21^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑧  $26^2 - 24^2$

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

$$= \quad \times \quad$$

$$= \quad$$

⑨  $38^2 - 18^2$

$$38^2 - 18^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

⑩  $44^2 - 34^2$

$$44^2 - 34^2 = (\quad + \quad)(\quad - \quad)$$

$$= \quad \times \quad$$

$$= \quad$$

■ 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  $66^2 - 16^2$

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

②  $38^2 - 32^2$

$$\begin{aligned} 38^2 - 32^2 &= \left( \boxed{38} + \boxed{32} \right) \left( \boxed{38} - \boxed{32} \right) \\ &= \boxed{70} \times \boxed{6} \\ &= \boxed{420} \end{aligned}$$

③  $48^2 - 32^2$

$$\begin{aligned} 48^2 - 32^2 &= \left( \boxed{48} + \boxed{32} \right) \left( \boxed{48} - \boxed{32} \right) \\ &= \boxed{80} \times \boxed{16} \\ &= \boxed{1280} \end{aligned}$$

④  $39^2 - 21^2$

$$\begin{aligned} 39^2 - 21^2 &= \left( \boxed{39} + \boxed{21} \right) \left( \boxed{39} - \boxed{21} \right) \\ &= \boxed{60} \times \boxed{18} \\ &= \boxed{1080} \end{aligned}$$

⑤  $53^2 - 13^2$

$$\begin{aligned} 53^2 - 13^2 &= \left( \boxed{53} + \boxed{13} \right) \left( \boxed{53} - \boxed{13} \right) \\ &= \boxed{66} \times \boxed{40} \\ &= \boxed{2640} \end{aligned}$$

⑥  $39^2 - 29^2$

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

⑦  $51^2 - 21^2$

$$\begin{aligned} 51^2 - 21^2 &= \left( \boxed{51} + \boxed{21} \right) \left( \boxed{51} - \boxed{21} \right) \\ &= \boxed{72} \times \boxed{30} \\ &= \boxed{2160} \end{aligned}$$

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  $38^2 - 18^2$

$$\begin{aligned} 38^2 - 18^2 &= \left( \boxed{38} + \boxed{18} \right) \left( \boxed{38} - \boxed{18} \right) \\ &= \boxed{56} \times \boxed{20} \\ &= \boxed{1120} \end{aligned}$$

⑩  $44^2 - 34^2$

$$\begin{aligned} 44^2 - 34^2 &= \left( \boxed{44} + \boxed{34} \right) \left( \boxed{44} - \boxed{34} \right) \\ &= \boxed{78} \times \boxed{10} \\ &= \boxed{780} \end{aligned}$$