式の計算の利用

年　組　名前

/10

■ 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 39^2-29^2

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

$= \square \times \square$

$= \square$

② 24^2-14^2

$24^2-14^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

③ 49^2-31^2

$49^2-31^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

④ 52^2-38^2

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

$= \square \times \square$

$= \square$

⑤ 44^2-16^2

$44^2-16^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

⑥ 51^2-11^2

$51^2-11^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

⑦ 23^2-17^2

$23^2-17^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

⑧ 48^2-42^2

$48^2-42^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

⑨ 31^2-29^2

$31^2-29^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

⑩ 19^2-11^2

$19^2-11^2 = (\square+\square)(\square-\square)$

$= \square \times \square$

$= \square$

式の計算の利用

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■ 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 39^2-29^2

$39^2-29^2 = (\boxed{39}+\boxed{29})(\boxed{39}-\boxed{29})$

$= \boxed{68} \times \boxed{10}$

$= \boxed{680}$

② 24^2-14^2

$24^2-14^2 = (\boxed{24}+\boxed{14})(\boxed{24}-\boxed{14})$

$= \boxed{38} \times \boxed{10}$

$= \boxed{380}$

③ 49^2-31^2

$49^2-31^2 = (\boxed{49}+\boxed{31})(\boxed{49}-\boxed{31})$

$= \boxed{80} \times \boxed{18}$

$= \boxed{1440}$

④ 52^2-38^2

$52^2-38^2 = (\boxed{52}+\boxed{38})(\boxed{52}-\boxed{38})$

$= \boxed{90} \times \boxed{14}$

$= \boxed{1260}$

⑤ 44^2-16^2

$44^2-16^2 = (\boxed{44}+\boxed{16})(\boxed{44}-\boxed{16})$

$= \boxed{60} \times \boxed{28}$

$= \boxed{1680}$

⑥ 51^2-11^2

$51^2-11^2 = (\boxed{51}+\boxed{11})(\boxed{51}-\boxed{11})$

$= \boxed{62} \times \boxed{40}$

$= \boxed{2480}$

⑦ 23^2-17^2

$23^2-17^2 = (\boxed{23}+\boxed{17})(\boxed{23}-\boxed{17})$

$= \boxed{40} \times \boxed{6}$

$= \boxed{240}$

⑧ 48^2-42^2

$48^2-42^2 = (\boxed{48}+\boxed{42})(\boxed{48}-\boxed{42})$

$= \boxed{90} \times \boxed{6}$

$= \boxed{540}$

⑨ 31^2-29^2

$31^2-29^2 = (\boxed{31}+\boxed{29})(\boxed{31}-\boxed{29})$

$= \boxed{60} \times \boxed{2}$

$= \boxed{120}$

⑩ 19^2-11^2

$19^2-11^2 = (\boxed{19}+\boxed{11})(\boxed{19}-\boxed{11})$

$= \boxed{30} \times \boxed{8}$

$= \boxed{240}$