

■ 因数分解を利用して、次の計算をなさい。

① $25^2 - 55^2 =$ 因数分解
 $(25 + 55)(25 - 55)$

$=$ 計算
 $80 \times (-30)$ $=$ 答え

② $48^2 - 52^2 =$ 因数分解

$=$ 計算 $=$ 答え

③ $46^2 - 36^2 =$ 因数分解

$=$ 計算 $=$ 答え

④ $87^2 - 37^2 =$ 因数分解

$=$ 計算 $=$ 答え

⑤ $19^2 - 69^2 =$ 因数分解

$=$ 計算 $=$ 答え

⑥ $37^2 - 33^2 =$ 因数分解

$=$ 計算 $=$ 答え

■ 因数分解を利用して、次の計算をなさい。

$$\textcircled{1} \quad 25^2 - 55^2 = \begin{array}{l} \text{因数分解} \\ (25 + 55)(25 - 55) \end{array}$$

$$= \begin{array}{l} \text{計算} \\ 80 \times (-30) \end{array} = \begin{array}{l} \text{答え} \\ -2400 \end{array}$$

$$\textcircled{2} \quad 48^2 - 52^2 = \begin{array}{l} \text{因数分解} \\ (48 + 52)(48 - 52) \end{array}$$

$$= \begin{array}{l} \text{計算} \\ 100 \times (-4) \end{array} = \begin{array}{l} \text{答え} \\ -400 \end{array}$$

$$\textcircled{3} \quad 46^2 - 36^2 = \begin{array}{l} \text{因数分解} \\ (46 + 36)(46 - 36) \end{array}$$

$$= \begin{array}{l} \text{計算} \\ 82 \times 10 \end{array} = \begin{array}{l} \text{答え} \\ 820 \end{array}$$

$$\textcircled{4} \quad 87^2 - 37^2 = \begin{array}{l} \text{因数分解} \\ (87 + 37)(87 - 37) \end{array}$$

$$= \begin{array}{l} \text{計算} \\ 124 \times 50 \end{array} = \begin{array}{l} \text{答え} \\ 6200 \end{array}$$

$$\textcircled{5} \quad 19^2 - 69^2 = \begin{array}{l} \text{因数分解} \\ (19 + 69)(19 - 69) \end{array}$$

$$= \begin{array}{l} \text{計算} \\ 88 \times (-50) \end{array} = \begin{array}{l} \text{答え} \\ -4400 \end{array}$$

$$\textcircled{6} \quad 37^2 - 33^2 = \begin{array}{l} \text{因数分解} \\ (37 + 33)(37 - 33) \end{array}$$

$$= \begin{array}{l} \text{計算} \\ 70 \times 4 \end{array} = \begin{array}{l} \text{答え} \\ 280 \end{array}$$