1 次の計算をしなさい。

① $\dfrac{3x+5y}{4}+\dfrac{8x+4y}{3}$

② $\dfrac{5x+6y}{2}+\dfrac{7x-3y}{7}$

③ $\dfrac{2x+9y}{5}-\dfrac{4x+5y}{6}$

④ $\dfrac{8x-3y}{9}+\dfrac{2x-4y}{4}$

⑤ $\dfrac{5x+3y}{8}-\dfrac{6x-7y}{3}$

⑥ $\dfrac{8x-3y}{7}-\dfrac{2x-9y}{6}$

1 次の計算をしなさい。

① $\dfrac{3x+5y}{4}+\dfrac{8x+4y}{3}$

$= \dfrac{3(3x+5y)+4(8x+4y)}{12}$

$= \dfrac{9x+15y+32x+16y}{12}$

$= \dfrac{41x+31y}{12}$

② $\dfrac{5x+6y}{2}+\dfrac{7x-3y}{7}$

$= \dfrac{7(5x+6y)+2(7x-3y)}{14}$

$= \dfrac{35x+42y+14x-6y}{14}$

$= \dfrac{49x+36y}{14}$

③ $\dfrac{2x+9y}{5}-\dfrac{4x+5y}{6}$

$= \dfrac{6(2x+9y)-5(4x+5y)}{30}$

$= \dfrac{12x+54y-20x-25y}{30}$

$= \dfrac{-8x+29y}{30}$

④ $\dfrac{8x-3y}{9}+\dfrac{2x-4y}{4}$

$= \dfrac{4(8x-3y)+9(2x-4y)}{36}$

$= \dfrac{32x-12y+18x-36y}{36}$

$= \dfrac{50x-48y}{36}$

$= \dfrac{25x-24y}{18}$

⑤ $\dfrac{5x+3y}{8}-\dfrac{6x-7y}{3}$

$= \dfrac{3(5x+3y)-8(6x-7y)}{24}$

$= \dfrac{15x+9y-48x+56y}{24}$

$= \dfrac{-33x+65y}{24}$

⑥ $\dfrac{8x-3y}{7}-\dfrac{2x-9y}{6}$

$= \dfrac{6(8x-3y)-7(2x-9y)}{42}$

$= \dfrac{48x-18y-14x+63y}{42}$

$= \dfrac{34x+45y}{42}$