開始日	終了日	解 説
／	／	NO6

式の計算 NO7

中2 分子が多項式の分数－①

NAME

7A

Aコース

① $\dfrac{2x-3y}{3}+\dfrac{3x+2y}{4}$

$=\dfrac{4(2x-3y)+3(3x+2y)}{12}$

$=\dfrac{8x-12y+9x+6y}{12}$

$=\dfrac{17x-6y}{12}$

② $\dfrac{x+5y}{2}-\dfrac{2x-y}{6}$

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

$=\dfrac{3x+15y-2x+y}{6}$

$=\dfrac{x+16y}{6}$

③ $\dfrac{3x+4y}{4}+\dfrac{-x-2y}{5}$

$=\dfrac{5(3x+4y)+4(-x-2y)}{20}$

$=\dfrac{15x+20y-4x-8y}{20}$

$=\dfrac{11x+12y}{20}$

④ $\dfrac{2x-y}{3}-\dfrac{5x-3y}{2}$

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

$=\dfrac{4x-2y-15x+9y}{6}$

$=\dfrac{-11x+7y}{6}$

⑤ $\dfrac{2x+y}{1}-\dfrac{3x+4y}{3}$

$=\dfrac{2x\times3+y\times3-(3x+4y)}{3}$

$=\dfrac{6x+3y-3x-4y}{3}$

$=\dfrac{3x-y}{3}$

Bコース

① $\dfrac{x}{2}+\dfrac{3x+5y}{4}$

$=\dfrac{2x+(3x+5y)}{4}$

$=\dfrac{2x+3x+5y}{4}$

$=\dfrac{5x+5y}{4}$

② $a-\dfrac{a-3b}{5}$

$=\dfrac{5a-(a-3b)}{5}$

$=\dfrac{5a-a+3b}{5}$

$=\dfrac{4a+3b}{5}$

③ $\dfrac{2x+3y}{3}-\dfrac{x-y}{2}$

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

$=\dfrac{4x+6y-3x+3y}{6}$

$=\dfrac{x+9y}{6}$

④ $\dfrac{3x-4y}{5}-\dfrac{2x-y}{10}$

$=\dfrac{2(3x-4y)-(2x-y)}{10}$

$=\dfrac{6x-8y-2x+y}{10}$

$=\dfrac{4x-7y}{10}$

⑤ $x^2-3x-\dfrac{2x^2-x}{2}$

$=\dfrac{x^2\times2-3x\times2-(2x^2-x)}{2}$

$=\dfrac{2x^2-6x-2x^2+x}{2}$

$=-\dfrac{5x}{2}$

Cコース

① $\dfrac{a+2b}{3}+\dfrac{-5a+2b}{6}$

$=\dfrac{2(a+2b)+(-5a+2b)}{6}$

$=\dfrac{2a+4b-5a+2b}{6}$

$=\dfrac{-3a+6b}{6}=\dfrac{-a+2b}{2}$

② $\dfrac{3a-5b}{4}-\dfrac{2a-4b}{3}$

$=\dfrac{3(3a-5b)-4(2a-4b)}{12}$

$=\dfrac{9a-15b-8a+16b}{12}$

$=\dfrac{a+b}{12}$

③ $\dfrac{6x-2y}{4}-\dfrac{3x-5y}{10}$

$=\dfrac{5(6x-2y)-2(3x-5y)}{20}$

$=\dfrac{30x-10y-6x+10y}{20}$

$=\dfrac{24x}{20}=\dfrac{6x}{5}$

④ $\dfrac{3m+2n}{6}+\dfrac{-5m-3n}{8}$

$=\dfrac{4(3m+2n)+3(-5m-3n)}{24}$

$=\dfrac{12m+8n-15m-9n}{24}$

$=\dfrac{-3m-n}{24}$

⑤ $-m+3n-\dfrac{2m+2n}{3}$

$=\dfrac{-m\times3+3n\times3-(2m+2n)}{3}$

$=\dfrac{-3m+9n-2m-2n}{3}$

$=\dfrac{-5m+7n}{3}$