Ａコース

① $2x-3y+5x+8y$

$= 7x +5y$

② $1x^2+3x-5x+2x^2$

$= 3x^2-2x$

③ $5x-4y+3x+5y$

$= 8x +y$

④ $-3x+5y-1x-6y$

$= -4x -y$

⑤ $-1x+4y-8x+5y$

$= -9x +9y$

⑥ $4xy-1x+5xy+2x$

$= 9xy +x$

⑦ $5a+4ab-3a-4ab$

$= 2a$

⑧ $2x^2-5x+3x^2-4x$

$= 5x^2-9x$

⑨ $-1ab+1a^2+2ab-5a^2$

$= ab -4a^2$

⑩ $2x^2y+3xy^2-4xy^2-1x^2y$

$= x^2y -xy^2$

⑪ $1x^2+1x-12x-4x^2$

$= -3x^2-11x$

Ｂコース

小数の加法・減法に注意!
小数点をそろえて計算

① $3a+1b-0.4a-0.7b$

$= 2.6a +0.3b$

小数点をそろえる

	3.0
−	0.4
	2.6

	1.0
−	0.7
	0.3

② $6x+0.5y-1.3x-2y$

$= 4.7x -1.5y$

小数点をそろえる

	6.0
−	1.3
	4.7

	2.0
−	0.5
	1.5

③ $-1m+0.7n+0.1m-0.4m$

$= -1.3m +0.7n$

同じように計算しよう

④ $-0.6ab+1a-1ab-0.2a$

$= -1.6ab +0.8a$

⑤ $-1x-3xy-0.8x+1.2xy$

$= -1.8x -1.8xy$

⑥ $3a+0.4a^2-0.9a+2a^2$

$= 2.1a +2.4a^2$

⑦ $-1m-0.5m^2-0.6m+2.3m^2$

$= -1.6m +1.8m^2$

⑧ $1y^2-0.7xy-2xy+3.1y^2$

$= 4.1y^2 -2.7xy$

⑨ $-1x+1y-0.2y-0.2x$

$= -1.2x +0.8y$

⑩ $1a^2-0.4a-2.1a^2+0.4a$

$= -1.1a^2$

⑪ $-3x^2y+1xy^2+0.1xy^2-0.1x^2y$

$= -3.1x^2y +1.1xy^2$

Ｃコース

しっかり通分しよう!

① $\dfrac{1}{2}x+\dfrac{1}{3}y-\dfrac{2}{3}x+\dfrac{3}{5}y$ — 通分

$= (\dfrac{3}{6}-\dfrac{4}{6})x+(\dfrac{5}{15}+\dfrac{9}{15})y$

$= -\dfrac{1}{6}x +\dfrac{14}{15}y$

② $\dfrac{1}{1}x^2-\dfrac{1}{2}x+\dfrac{3}{4}x^2-\dfrac{2}{1}x$ — 通分

$= (\dfrac{4}{4}+\dfrac{3}{4})x^2+(-\dfrac{1}{2}-\dfrac{4}{2})x$

$= \dfrac{7}{4}x^2 -\dfrac{5}{2}x$

③ $\dfrac{1x}{2}-\dfrac{1y}{3}+\dfrac{1x}{4}-\dfrac{1y}{2}$ — 通分

$= (\dfrac{2}{4}+\dfrac{1}{4})x +(-\dfrac{2}{6}-\dfrac{3}{6})y$

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

④ $\dfrac{2}{3}a-\dfrac{1}{4}b+\dfrac{5}{6}a+\dfrac{1}{2}b$ — 通分

$= (\dfrac{4}{6}+\dfrac{5}{6})a+(-\dfrac{1}{4}+\dfrac{2}{4})b$

$= \dfrac{9}{6}a+\dfrac{1}{4}b = \dfrac{3}{2}a+\dfrac{1}{4}b$

約分

⑤ $-\dfrac{1}{1}y^2+\dfrac{3}{5}y-\dfrac{2}{1}y+\dfrac{2}{3}y^2$ — 通分

$= (-\dfrac{3}{3}+\dfrac{2}{3})y^2+(\dfrac{3}{5}-\dfrac{13}{5})y$

$= -\dfrac{1}{3}y^2 -\dfrac{7}{5}y$

⑥ $\dfrac{3}{1}a+\dfrac{5}{6}a^2-\dfrac{3}{4}a-\dfrac{1}{1}a^2$ — 通分

$= (\dfrac{5}{6}-\dfrac{6}{6})a^2+(\dfrac{12}{4}-\dfrac{3}{4})a$

$= -\dfrac{1}{6}a^2 +\dfrac{9}{4}a$