

### A コース

- ①  $(4x+3y)+(5x-6y)$   
 $= 4x+3y+5x-6y$   
 $= 9x-3y$
- ②  $(3x+2y)\ominus(4x-6y)$   
( )の符号を全て変える  
 $= 3x+2y-4x+6y$   
 $= -x+8y$
- ③  $(x^2+3x-2)+(-2x^2-3x+4)$   
 $= x^2+3x-2-2x^2-3x+4$   
 $= -x^2+2$
- ④  $(x^2+6x-5)\ominus(-2x^2-6x+1)$   
( )の符号を全て変える  
 $= x^2+6x-5+2x^2+6x-1$   
 $= 3x^2+12x-6$
- ⑤  $(-2x+7y)+(3x-5y)$   
 $= -2x+7y+3x-5y$   
 $= x+2y$
- ⑥  $(-3x+5y)\ominus(8x-2y)$   
( )の符号を全て変える  
 $= -3x+5y-8x+2y$   
 $= -11x+7y$
- ⑦  $(4m-n)+(-5m+3n)$   
 $= 4m-n-5m+3n$   
 $= -m+2n$
- ⑧  $(7ab-b)\ominus(-ab+6b)$   
( )の符号を全て変える  
 $= 7ab-b+ab-6b$   
 $= 8ab-7b$
- ⑨  $(-2m+m^2)\ominus(-2m^2+m)$   
( )の符号を全て変える  
 $= -2m+m^2+2m^2-m$   
 $= 3m^2-3m$
- ⑩  $(3c-5d)+(-2c-4d)$   
 $= 3c-5d-2c-4d$   
 $= c-9d$

### B コース

- ①  $(\frac{1}{3}a-\frac{3}{5}b)\ominus(\frac{5}{6}a-\frac{1}{4}b)$   
 $= \frac{1}{3}a-\frac{3}{5}b-\frac{5}{6}a+\frac{1}{4}b$   
 $= (\frac{2}{6}-\frac{5}{6})a+(-\frac{12}{20}+\frac{5}{20})b$  通分  
 $= -\frac{3}{6}a-\frac{7}{20}b = -\frac{1}{2}a-\frac{7}{20}b$   
約分
- ②  $(\frac{3}{4}x^2+\frac{1}{3}x)\ominus(\frac{1}{2}x^2-\frac{1}{6}x)$   
 $= \frac{3}{4}x^2+\frac{1}{3}x-\frac{1}{2}x^2+\frac{1}{6}x$  通分  
 $= (\frac{3}{4}-\frac{2}{4})x^2+(\frac{2}{6}+\frac{1}{6})x$   
 $= \frac{1}{4}x^2+\frac{3}{6}x = \frac{1}{4}x^2+\frac{1}{2}x$   
約分
- ③  $(\frac{2}{3}a-\frac{1}{2}b)+(\frac{5}{6}a-\frac{2}{3}b)$   
 $= \frac{2}{3}a-\frac{1}{2}b+\frac{5}{6}a-\frac{2}{3}b$  通分  
 $= (\frac{4}{6}+\frac{5}{6})a+(-\frac{3}{6}-\frac{4}{6})b$   
 $= \frac{9}{6}a-\frac{7}{6}b = \frac{3}{2}a-\frac{7}{6}b$   
約分
- ④  $(\frac{5}{8}x^2+\frac{1}{4}x)+(\frac{3}{4}x^2-\frac{1}{3}x)$   
 $= \frac{5}{8}x^2+\frac{1}{4}x+\frac{3}{4}x^2-\frac{1}{3}x$  通分  
 $= (\frac{5}{8}+\frac{6}{8})x^2+(\frac{3}{12}-\frac{4}{12})x$   
 $= \frac{11}{8}x^2-\frac{1}{12}x$
- ⑤  $(-\frac{4}{9}xy+\frac{1}{5}y)\ominus(\frac{2}{3}y+\frac{1}{6}xy)$   
 $= -\frac{4}{9}xy+\frac{1}{5}y-\frac{2}{3}y-\frac{1}{6}xy$  通分  
 $= (-\frac{8}{18}-\frac{3}{18})xy+(\frac{3}{15}-\frac{10}{15})y$   
 $= -\frac{11}{18}xy-\frac{7}{15}y$
- ⑤  $(-\frac{2}{3}ab-\frac{1}{4}b)\ominus(\frac{3}{5}ab-\frac{3}{7}b)$   
 $= -\frac{2}{3}ab-\frac{1}{4}b-\frac{3}{5}ab+\frac{3}{7}b$  通分  
 $= (-\frac{10}{15}-\frac{9}{15})ab+(-\frac{7}{28}+\frac{12}{28})b$   
 $= -\frac{19}{15}ab+\frac{5}{28}b$

### C コース

- ①  $(0.1a-0.5b)+(2a+3b)$   
 $= 0.1a-0.5b+2a+3b$   
 $= 2.1a+2.5b$
- ②  $(0.6x+2y)\ominus(x-1.3y)$   
 $= 0.6x+2y-x+1.3y$   
 $= -0.4x+3.3y$
- ③  $(0.1x^2-0.3x)+(1.3x^2+0.4x)$   
 $= 0.1x^2-0.3x+1.3x^2+0.4x$   
 $= 1.4x^2+0.1x$
- ④  $(2.5a+0.7ab)\ominus(-1.6a-0.6ab)$   
 $= 2.5a+0.7ab+1.6a+0.6ab$   
 $= 4.1a+1.3ab$
- ⑤  $(x+1.4y-3)+(0.4x-2y+0.5)$   
 $= x+1.4y-3+0.5x-2y+0.5$   
 $= 1.4x-0.6y-2.5$
- ⑥  $(3m-0.2n+0.7)\ominus(0.3m-0.8n+1)$   
 $= 3m-0.2n+0.7-0.3m+0.8n-1$   
 $= 2.7m+0.6n-0.3$
- ⑦  $(0.6x+1.1y)+(-2x-3y)$   
 $= 0.6x+1.1y-2x-3y$   
 $= -1.4x-1.9y$
- ⑧  $(m-n)\ominus(0.3m-1.2n)$   
 $= m-n-0.3m+1.2n$   
 $= 0.7m+0.2n$
- ⑨  $(-3a^2-2a)\ominus(-1.9a^2+3.4a)$   
 $= -3a^2-2a+1.9a^2-3.4a$   
 $= -1.1a^2-5.4a$
- ⑩  $(4a-3.1b)+(-2.8a+4b)$   
 $= 4a-3.1b-2.8a+4b$   
 $= 1.2a+0.9b$