

Aコース

- ①  $a+b=3$  (a)  
 $a=3-b$
- ②  $c+a=4$  (a)  
 $a=4-c$
- ③  $x-y=-6$  (x)  
 $x=-6+y$
- ④  $8+y=m$   
 $y=m-8$
- ⑤  $a-x=c$  (a)  
 $a=c+x$
- ⑥  $a+n=-10$  (a)  
 $a=-10-n$
- ⑦  $x-1=z$   
 $x=z+1$
- ⑧  $n+2=a+4$   
 $n=a+2$
- ⑨  $5+b=a+5$   
 $b=a$
- ⑩  $x+a=-3$  (x)  
 $x=-3-a$
- ⑪  $-m+x=a$  (x)  
 $x=a+m$
- ⑫  $n+9=m-7$   
 $n=m-16$

Bコース

- ①  $\frac{2a}{2} = \frac{-8}{2}$   
 $a = -4$
- ②  $\frac{-x}{-1} = \frac{y}{-1}$   
 $x = -y$
- ③  $\frac{-6m}{-6} = \frac{-3n}{-6}$   
 $m = \frac{1}{2}n$
- ④  $\frac{10a}{10} = \frac{-12b}{10}$   
 $a = -\frac{6}{5}b$
- ⑤  $\frac{am}{m} = \frac{-5}{m}$  (a)  
 $a = -\frac{5}{m}$
- ⑥  $\frac{xy}{x} = \frac{a}{x}$  (y)  
 $y = \frac{a}{x}$
- ⑦  $\frac{amx}{ax} = \frac{-2b}{ax}$  (m)  
 $m = -\frac{2b}{ax}$
- ⑧  $\frac{xyz}{yz} = \frac{-3a}{yz}$  (x)  
 $x = -\frac{3a}{yz}$
- ⑨  $\frac{-3ab}{-3b} = \frac{-x}{-3b}$  (a)  
 $a = \frac{x}{3b}$
- ⑩  $\frac{9mn}{9m} = \frac{-6x}{9m}$  (n)  
 $n = -\frac{2x}{3m}$
- ⑪  $\frac{-7ax}{-7x} = \frac{-2c}{7x}$  (a)  
 $a = \frac{2c}{7x}$
- ⑫  $\frac{8abn}{8an} = \frac{12x}{8an}$  (b)  
 $b = \frac{3x}{2an}$

Cコース

- ①  $\frac{2}{3} \times \frac{3}{2}x = y \times \frac{2}{3}$   
 $x = \frac{2y}{3}$
- ②  $(-\frac{4}{3})x - \frac{3}{4}x = \frac{3}{2}a \times (-\frac{4}{3})$   
 $x = -2a$
- ③  $(-\frac{3}{7})x - \frac{7}{3}m = \frac{1}{3}n \times (-\frac{3}{7})$   
 $= -\frac{n}{7}$
- ④  $\frac{6}{5}x \times \frac{5}{6}a = 15b \times \frac{6}{5}$   
 $a = 18b$
- ⑤  $(-\frac{4}{7})x - \frac{7}{4}x = \frac{21}{8}y \times (-\frac{4}{7})$   
 $x = -\frac{3y}{2}$
- ⑥  $6 \times \frac{a}{6} = -3b \times 6$   
 $a = -18b$
- ⑦  $(-3)x - \frac{x}{3} = -\frac{y}{6} \times (-3)$   
 $x = \frac{y}{2}$
- ⑧  $(-9)x - \frac{n}{9} = -\frac{m}{12} \times (-9)$   
 $n = \frac{3m}{4}$
- ⑨  $(-8)x - \frac{a}{8} = \frac{b}{10} \times (-8)$   
 $a = -\frac{4b}{5}$
- ⑩  $(-12)x - \frac{x}{12} = -\frac{m}{16} \times (-12)$   
 $x = \frac{3m}{4}$

Dコース

- ①  $\frac{mx}{m} = \frac{-y}{m}$  (x)  
 $x = -\frac{y}{m}$
- ②  $a-5=b$   
 $a=b+5$
- ③  $(-\frac{2}{5})x - \frac{5}{2}a = \frac{15}{4}c \times (-\frac{2}{5})$   
 $a = -\frac{3c}{2}$
- ④  $\frac{-m}{-1} = \frac{2n}{-1}$   
 $m = -2n$
- ⑤  $(-5)x - \frac{x}{5} = -\frac{y}{2} \times (-5)$   
 $x = \frac{5y}{2}$
- ⑥  $-7+a=x$   
 $a=x+7$
- ⑦  $\frac{any}{an} = \frac{-3}{an}$  (y)  
 $y = -\frac{3}{an}$
- ⑧  $(-18)x - \frac{p}{18} = -\frac{m}{9} \times (-18)$   
 $p = 2m$
- ⑨  $3+a=x$   
 $a=x-3$
- ⑩  $\frac{-bnx}{-bx} = \frac{2y}{-bx}$  (n)  
 $n = -\frac{2y}{bx}$
- ⑪  $\frac{-am}{-a} = \frac{4p}{-a}$  (m)  
 $m = -\frac{4p}{a}$