Exercise - Solving for a Specific Variable

1

If $2x+3y=18$, which of the following gives y in terms of x?

A) $y=6+\frac{2}{3}x$

B) $y=6-\frac{2}{3}x$

C) $y=6+\frac{3}{2}x$

D) $y=6-\frac{3}{2}x$

2

If $P=2l+2w$, which of the following gives w in terms of P and l?

A) $w=P-2l$

B) $w=P-l$

C) $w=\frac{P}{2}-l$

D) $w=P-\frac{l}{2}$

3

If $c=\frac{a}{a+b}$, which of the following gives a in terms of b and c?

A) $a=\frac{bc}{1-c}$

B) $a=\frac{bc}{1+c}$

C) $a=\frac{bc}{b-c}$

D) $a=\frac{bc}{b+c}$

4

If $\frac{ab-1}{3}=c$, which of the following gives b in terms of the other variables?

A) $b=\frac{3c+1}{a}$

B) $b=\frac{3c-1}{a}$

C) $b=\frac{3c}{a}+1$

D) $b=\frac{3c}{a}-1$

5

If $gh-f=g-h$, which of the following gives g in terms of the other variables?

A) $g=\frac{f+h}{h-1}$

B) $g=\frac{f-h}{h+1}$

C) $g=\frac{f+h}{h+1}$

D) $g=\frac{f-h}{h-1}$

6

If $n=a+(k-1)d$, which of the following gives k in terms of the other variables?

A) $k=\frac{n-a+1}{d}$

B) $k=\frac{n+a-1}{d}$

C) $k=\frac{n-a-d}{d}$

D) $k=\frac{n-a+d}{d}$