

## Independent Practice

## Relations and Functions

### A.18

**Read and solve.**

1.  $a$  varies directly as  $b$  and  $a = 12$  when  $b = 4$ . What is the constant of variation?

- A. -8
- B.  $\frac{1}{3}$
- C. 3
- D. 8

2.  $a$  varies directly as  $b$  and the constant of variation is  $\frac{1}{4}$ . Which equation represents the relationship?

- A.  $a = \frac{1}{4}b$
- B.  $a = 4b$
- C.  $a = b + \frac{1}{4}$
- D.  $a = b - \frac{1}{4}$