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. 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. $a = b - \frac{1}{4}$