

## Independent Practice

## Expressions and Operations A.2

Read and solve each question.

1. What is the value of  $x(5 + y)$  if  $x = 4$  and  $y = 2$ ?
  - A. 18
  - B. 22
  - C. 28
  - D. 36
  
2. Victor bought a computer for \$1,800. He made a down payment of \$200 and will pay the rest in 5 equal payments. If  $p$  represents the amount of each payment, which equation can be used to find this amount?
  - A.  $\$200p = \$1,800$
  - B.  $\$1,800 + 5p = \$200$
  - C.  $\$1,800 + \$200 = 5p$
  - D.  $\$1,800 = 5p + \$200$
  
3. What is the value of the expression  $2x - 4y + 3z$  if  $x = 5$ ,  $y = -3$ , and  $z = 2$ ?
  - A. -28
  - B. -16
  - C. -8
  - D. 28
  
4. The formula for circumference of a circle is  $C = 2\pi r$ . Find the circumference of the circle if the radius is 6. Use  $\pi = 3.14$ .
  - A. 9.14
  - B. 15.14
  - C. 37.668
  - D. 103.04
  
5. What is the value of  $2a^2b + 5ab - 4$ , if  $a = -4$  and  $b = 5$ ?
  - A. 56
  - B. 3
  - C. -144
  - D. -264