

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