

**FINAL REVIEW WORKSHEET  
INTERMEDIATE ALGEBRA**

**Chapter 1.**

1. Evaluate  $(y - 1)^2$  for  $y = -6$ .  
(A)  $-7$  (B)  $49$  (C)  $25$  (D)  $-49$
2. Translate to an algebraic expression: Five more than nine times some number.  
(A)  $5 + 9x$  (B)  $5 - 9x$  (C)  $5x + 9$  (D)  $9x - 5$
3. Which of the following numbers is irrational?  $\{-9, \sqrt{25}, \frac{9}{7}, \sqrt{8}, 235\}$   
(A)  $-9$  (B)  $\sqrt{25}$  (C)  $\frac{9}{7}$  (D)  $\sqrt{8}$
4. Simplify:  $4 \div (-2) \cdot 2 + 3 \cdot (-4)$   
(A)  $4$  (B)  $-4$  (C)  $-16$  (D)  $16$
5. Divide:  $\frac{9}{10} \div (-\frac{3}{7})$   
(A)  $-\frac{3}{7}$  (B)  $-\frac{3}{70}$  (C)  $-7$  (D)  $-\frac{21}{10}$
6. Use the commutative law of addition to write an expression equivalent to  $2x + 7y$   
(A)  $7y - 2x$  (B)  $9x + y$  (C)  $14xy$  (D)  $7y + 2x$
7. Use the associative law of multiplication to write an expression equivalent to  $(7x)y$   
(A)  $7(xy)$  (B)  $y + 7x$  (C)  $7x + y$  (D)  $y(7x)$