

**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) $y(7x)$