

MAT 100: ELEMENTARY ALGEBRA

Fall 2026

WARM-UP

Section 1.7: Decimals

SEC 1.1 1. Find the place value of each indicated digit in the given number. 87,210 (a) 2 (b) 8 (c) 0 (d) 7 (e) 1	SEC 1.2 [EXP.CL] 2. Simplify the following expression by combining like terms. $3x^2 + 12x + 11 + 14x^2 + 8x + 5$	SEC 1.3 [NUM.AS] 3. Insert the correct relation symbol ($<$, $>$, or $=$) to complete the statement. $- -3 ___ -3$
SEC 1.4 [NUM.AS] 4. Evaluate the expression. $p + q$ when $p = -9, q = 17$	SEC 1.5 [NUM.MD, FRC.SI] 5. Divide the following fractions. $-5 \div \frac{1}{2}$	SEC 1.6 [NUM.MD, FRC.SI] 6. Simplify the following expression. $-\frac{7}{24} + \frac{2}{24}$
SEC 1.1 7. Name the given number using words. 1,078	SEC 1.2 [EXP.CL] 8. Identify the like terms. $9a, a^2, 16, 16b^2, 4, 9b^2$	SEC 1.3 [NUM.AS] 9. Simplify each expression. $25 - [10 - (3 - 12)]$