

MAT 100: ELEMENTARY ALGEBRA

Fall 2026

WARM-UP

Section 1.6: Add and Subtract Fractions

SEC 1.1 1. Round each number to the nearest hundred. (a) 63,994 (b) 63,940	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. Give an example from your life experience of adding two negative numbers.
SEC 1.4 [NUM.MD, NUM.AS] 4. Simplify the following expression. $(-3)^5$	SEC 1.5 [NUM.MD, FRC.SI] 5. Multiply and simplify. $-\frac{33}{60} \cdot \left(-\frac{40}{88}\right)$	SEC 1.1 [NUM.FA] 6. Find the least common multiple of the following pair of numbers using the prime factors method. 84, 90
SEC 1.2 [NUM.MD, NUM.AS] 7. Simplify the following expression using the order of operations. $2 + 8(6 + 1)$	SEC 1.3 [NUM.AS] 8. Insert the correct relation symbol ($<$, $>$, or $=$) to complete the statement. $9___ - -9$	SEC 1.4 [NUM.AS, NUM.MD] 9. Simplify the following expression. $(6 - 11)(8 - 13)$