

MAT 100: ELEMENTARY ALGEBRA

Fall 2026

WARM-UP

Section 1.8: The Real Numbers

SEC 1.2 [NUM.MD, NUM.AS] 1. Simplify the following expression using the order of operations. $(3 + 7)^2$	SEC 1.3 [NUM.AS] 2. Give an example of a negative number from your life experience.	SEC 1.4 [NUM.AS, NUM.MD] 3. Simplify the following expression. $(8 - 11)(9 - 12)$
SEC 1.5 [NUM.AS, FRC.SI] 4. Simplify the following expression. Show your work. $\frac{46}{4 + 4}$	SEC 1.6 [NUM.MD, FRC.SI] 5. Simplify the following expression. $\frac{6}{11} - \frac{s}{11}$	SEC 1.7 [FRC.FD] 6. Divide the following decimals. Show your work. $14 \div 0.35$
SEC 1.2 [NUM.MD, NUM.AS] 7. Simplify the following expression using the order of operations. $2^3 - 12 \div (9 - 5)$	SEC 1.3 [NUM.AS] 8. Simplify each expression. $9 - 6 - 5$	SEC 1.4 [NUM.MD] 9. Compute the quotient for each division and show your work. $-52 \div (-4)$