

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

DEPARTMENT OF MATHEMATICS AND STATISTICS

SECTION 1.4

Math 1090 Worksheet

FALL 2026

For practice only. Not to be submitted.

1. Simplify each of the following.

(a) $|7 - 3|$

(b) $|3 - 7|$

(c) $|-3 - 7|$

(d) $|8| - |-1|$

(e) $|-2 \cdot 4|$

(f) $-2 \cdot |4|$

(g) $\frac{5}{|-5|}$

(h) $\frac{|-3 + 3|}{3}$

(i) $\frac{|-3| + |3|}{3}$

2. Find a simplified expression (without absolute value notation) for $\frac{|-5x|}{x}$ if

(a) $x > 0$

(b) $x < 0$

3. Given that $x \leq -2$, simplify $x - |x + 2|$.