

MATH 1151 – Precalculus Supplemental Lab

Skill Builder – Week 1

NAME: _____ SECTION: _____

1. Simplify without using a calculator.

(a) $\frac{2}{3} + \frac{5}{8}$

(b) $\frac{x-3}{4} + \frac{5}{y+2}$

(c) Explain the similarities in your strategies for parts (a) and (b).

2. Solve for x . For (c) and (d), express your answer in interval notation.

(a) $\frac{x}{7} + \frac{2x}{3} = 4 + \frac{x}{21}$

(c) $|2x - 5| > 7$

(b) $|2x - 5| = 7$

(d) $\frac{x+3}{3x-6} \leq 2$