

ACMAT100 Fall 2023
Professor Manguba-Glover
Classwork 2

Name: _____

Complete as many of the following problems as you can with your table. You may use a calculator to check your answers, but not to complete the problems.

(1) Simplify the following expressions:

(a) $-5y + 3 - 5 + 5 + y - 3$

(b) $7(t + 8) - 4$

(c) $2[-7x - 3(3 - x)]$

(d) $-[-5x - (3x + 5)] - [-(-10x - (3 - 2x)) + 2x]$

(2) Solve and check following linear equations.

(a) $6x - 15 = 15$

(b) $3(x - 2) + 8 = 2(x + 5)$

(c) $10 - \frac{x}{2} = \frac{x}{3}$

(d) $\frac{11x}{12} = \frac{x}{2} + 5$

(e) $\frac{x + 4}{2} - 2 = \frac{2x - 1}{3}$