

ACMAT100 Fall 2023
Professor Manguba-Glover
Homework 2 (2.1)

Name: _____

Show all work and simplify all answers before circling/boxing them. If you do the problem incorrectly, or don't show sufficient work, you will be asked to rewrite the problem for credit.

Suggested due date: next class period. Final due date: the day of the Unit 1 Exam.

Solve the following equations.

(1) $6x - 13 = 35$

(2) $30 = 7x + 6 - 4x$

(3) $9x - 8 = 7 + 4x$

(4) $7x - 17 = 3(x - 4)$

(5) $-2(3t - 5) + 5 = 7t + 8$

(6) $31 - (x + 9) = 8x - 5$

(7) $-2(y - 1) + y = 5(y - 2)$

(8) $14 - (n + 7) = 3n + 9 - 2n$

(9) $5(2x - 2) - 2(x + 4) = -2$

(10) $\frac{9x - 4}{8} = -5$

(11) $14 = 13 - \frac{1}{6}x$

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