

Name: _____

Date: _____

A. Zito

MATH 416

1) Solve and Check

a) $2x + 6 - 7 = 14 - 3x$

$2() + 6 - 7 = 14 - 3()$

$\frac{1}{3}$

b) $2a + 3a - 3a + 4a - 3a + 2 = 14$

$2() + 3() - 3() + 4() - 3() + 2 = 14$

$\frac{1}{3}$

c) $-x = 3 + 14x + 3x - 2x + 1$

$-() = 3 + 14() + 3() - 2() + 1$

$\frac{1}{3}$

d) $16z - 14z = 4 - 6 + 1 + 3$

$16() - 14() = 4 - 6 + 1 + 3$

$\frac{1}{3}$

2) Solve

$$a) -3 + 4 = x - 4 - 3 + 7x$$

$\frac{1}{2}$

$$b) 3 - x + 3x - 4x + x = 14 - 2$$

$\frac{1}{2}$

$$c) 3 + 4 - 3x + 4x = 4x - 3x + 4x - 5$$

$\frac{1}{2}$

$$d) 10x + 15x + 5x = 25x - 5x - 10 - 5 - 15x$$

$\frac{1}{2}$