

April 27

## Solving Equations

$$\underline{\text{Ex 1:}} \quad 15 - 3(2x + 3) = 54 - 2(x - 1)$$

$$15 - 6x - 9 = 54 - 2x + 2$$

$$6 - 6x = 56 - 2x$$

$$-4x = 50$$

$$x = \frac{50}{-4} = \frac{25}{-2} \text{ or } -12\frac{1}{2}$$

-12.5

$$\underline{\text{Ex 2}} \quad 4 \left[ \frac{3}{4}(x+7) \right] - [x] = [50] 4$$

$$3x + 21 - 4x = 200$$

$$\text{CK} \quad \frac{3}{4}(-179+7) - (-179) = 50 \quad -x + 21 = 200$$

$$\frac{3}{4}(-172) + 179 = 50$$

$$-129 + 179 = 50$$

$$\frac{-x}{-1} = \frac{179}{-1}$$

$$x = -179$$