

Recap

$$2x + 3 = 15$$

$$2x = 15 - 3$$

$$2x = 12$$

$$x = \frac{12}{2}$$

$$x = 6$$

$$3x - 7 = 4$$

$$3x = 4 + 7$$

$$3x = 11$$

$$x = \frac{11}{3}$$

$$\text{or } x = 3\frac{2}{3}$$

Eqns with an x term on both sides

Ex1

$$5x - 2 = 2x + 19$$

$$5x - 2x = +19 + 2$$

$$3x = 21$$

$$x = \frac{21}{3}$$

$$x = 7$$

Ex2

$$4x + 11 = 53 - 3x$$

$$4x + 3x = 53 - 11$$

$$7x = 42$$

$$x = \frac{42}{7}$$

$$x = 6$$

Equations Involving Brackets

Ex 3

$$4(2x + 1) = 28$$

$$8x + 4 = 28$$

$$8x = 28 - 4$$

$$8x = 24$$

$$x = \frac{24}{8}$$

$$\underline{x = 3}$$

Ex 4

$$3(3x - 2) = 39$$

$$9x - 6 = 39$$

$$9x = 39 + 6$$

$$9x = 45$$

$$x = \frac{45}{9}$$

$$\underline{x = 5}$$