

EQUATIONS AND INEQUALITIES

Simple linear equations

Example: Solve the following linear equations

(i) $3x + 8 = 14$

(ii) $4(x - 5) = 7(2x - 5)$

(i) $3x + 8 = 14$

$$3x = 14 - 8$$

$$3x = 6$$

$$x = 2$$

(ii) $4(x - 5) = 7(2x - 5)$

$$4x - 20 = 14x - 35$$

$$4x - 14x = -35 + 20$$

$$-10x = -15$$

$$x = 1.5$$

Algebra 2 Chapter 1 Equations And Inequalities

Reza Nazari



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