

4/1/85

$$1) \quad 2(3x-1) - 3(2x-1) = 4$$

$$6x - 2 - 6x + 3 = 4$$

$$6x - 6x = 2 - 3 + 4$$

$$0x = 3 \quad \text{або нічого}$$

$$11) \quad 2x - \frac{5-x}{3} = -\frac{5}{3} + \frac{7x}{3}$$

$$3 \cdot 2x - \cancel{3} \frac{5-x}{\cancel{3}} = -\cancel{3} \frac{5}{\cancel{3}} + \cancel{3} \frac{7x}{\cancel{3}}$$

$$6x - (5-x) = -5 + 7x$$

$$6x - 5 + x = -5 + 7x$$

$$6x + x - 7x = -5 - 5$$

$$0x = 0$$

або все

11/2

$$1) \quad |x| = 4$$

$$x = 4 \quad \text{і} \quad x = -4$$

$$2) \quad |x-2| = 4$$

$$x-2=4 \quad \text{і} \quad x-2=-4$$

$$x=4+2 \quad \text{і} \quad x=-4+2$$

$$x=6 \quad \text{і} \quad x=-2$$

$$3) \quad |x-2| = x-1$$

$$x-2 = x-1 \quad \text{і} \quad x-2 = -(x-1)$$

$$x-x = 2-1 \quad \text{і} \quad x-2 = -x+1$$

$$0x = 1 \quad \text{і} \quad x+x = 1+2$$

$$\text{або нічого} \quad \text{і} \quad 2x = 3$$

$$\text{і} \quad \cancel{2} \frac{x}{\cancel{2}} = \frac{3}{2}$$

$$\text{і} \quad x = \frac{3}{2}$$

$$4) \quad |x-1| = |2x|$$

$$x-1 = 2x \quad \text{і} \quad x-1 = -2x$$

$$x-2x = 1 \quad \text{і} \quad x+2x = 1$$

$$-x = 1 \quad \text{і} \quad 3x = 1$$

$$x = -1 \quad \text{і} \quad x = \frac{1}{3}$$

$$5) \quad |3x-2| = |x+2|$$

$$3x-2 = x+2 \quad \text{і} \quad 3x-2 = -(x+2)$$

$$3x-x = 2+2 \quad \text{і} \quad 3x-2 = -x-2$$

$$2x = 4 \quad \text{і} \quad 3x+x = -2+2$$

$$\cancel{2} \frac{x}{\cancel{2}} = \frac{4}{2} \quad \text{і} \quad 2x = 0$$

$$x = 2 \quad \text{і} \quad x = 0$$

$$6) \quad |x| = 7$$

$$x = 7 \quad \text{і} \quad x = -7$$

$$7) \quad |x-2| = 7$$

$$x-2 = 7 \quad \text{і} \quad x-2 = -7$$

$$x = 7+2 \quad \text{і} \quad x = -7+2$$

$$x = 9 \quad \text{і} \quad x = -5$$

$$8) \quad |3x-4| = x$$

$$3x-4 = x \quad \text{і} \quad 3x-4 = -x$$

$$3x-x = 4 \quad \text{і} \quad 3x+x = 4$$

$$2x = 4 \quad \text{і} \quad 4x = 4$$

$$\cancel{2} \frac{x}{\cancel{2}} = \frac{4}{2} \quad \text{і} \quad \cancel{4} \frac{x}{\cancel{4}} = \frac{4}{4}$$

$$x = 2 \quad \text{і} \quad x = 1$$

$$9) \quad |x-2| = 2x-2$$

$$x-2 = 2x-2 \quad \text{і} \quad x-2 = -(2x-2)$$

$$x-2x = 2-2 \quad \text{і} \quad x-2 = -2x+2$$

$$-x = 0 \quad \text{і} \quad x+2x = 2+2$$

$$x = 0 \quad \text{і} \quad 3x = 4$$

$$\cancel{3} \frac{x}{\cancel{3}} = \frac{4}{3}$$

$$x = \frac{4}{3}$$

Нв

Авк 14 6 12 84