1. Решите уравнения:

a)
$$x - (x - (x - (x - 1))) = 1 - (2 - (3 - (4 - x)))$$

6)
$$4x - (3x - (2x - (x - 1) - 2) - 3) - 4 = 0$$

B)
$$(x-1)^2-1=0$$

$$\Gamma) (2x - 3)^2 - 9 = 0$$

д)
$$(x+2)^2-4=0$$

e)
$$\frac{4x^2 - 1}{3} - \frac{3x^2 + 8}{5} = 1$$

$$\text{ж) } \frac{5x^2 - 48}{8} - \frac{33 - 2x^2}{6} = 3\frac{5}{6}$$

3)
$$\left(x + \frac{1}{2}\right) \left(x - \frac{1}{2}\right) = \frac{5}{16}$$

и)
$$(3x+1,5)(3x-1,5)=54$$

$$\kappa) \ \frac{3x^2 - 4x}{2} = \frac{5x^2 - x}{3}$$

$$\pi) \ \frac{2x - 3x^2}{5} - \frac{7x^2 - x}{4} = \frac{x^2}{2}$$

2. Решите неравенства:

a)
$$(x-1)(x-3)(x-5) \ge 0$$

6)
$$4x^2 + 7x > 0$$

B)
$$\frac{x^2}{5} - \frac{3x}{7} < 0$$

r)
$$x^2 + 3.5x - 2 > 0$$

д)
$$-4-3x<1-2x^2$$

e)
$$x^2 - \frac{0.16 - 2x}{4} \le 0.2$$

ж)
$$\frac{12-x^2}{4} - \frac{x}{3} < \frac{(x-6)^2}{12}$$

3)
$$(4+x)(9-x^2)(x^2-2x+1) > 0$$

и)
$$(x^2-16)(x^2-x-2)(x+2)>0$$