

ENTRANCE TEST

1. Draw graphs:

a) $y = 2x + 1$

b) $y = x^2 + 3$

2. Solve equations:

a) $2x + (x - 1) = x + 14$

b) $x^2 + 4x + 3 = 0$

3. Solve inequalities:

a) $x - (4x + 3) < 2(x + 1)$

b) $x^2 + 2x - 3 > 0$