

1) Simplify

$$3 + 4 * 2 - (4 - 7)^2$$

2) Simplify

$$3(2x + 4) - 5(x - 2)$$

3) Solve

$$2x - 14 = 4x - 12 + 2x$$

4) Graph the linear equation

$$y = \frac{1}{3}x + 2$$

5) Solve and graph on a number line

$$-\frac{2}{3}x + 4 > 10$$

6) Solve the system of linear equations

$$2x - 3y = 4$$

$$-2x + y = 6$$

7) Graph the system of linear inequalities

$$y > -2x + 1$$

$$y \leq x - 3$$

8) Graph the quadratic function

$$y = 2x^2 - 4x - 3$$

9) Find the zeroes of the quadratic function

$$0 = x^2 - 2x - 35$$

10) Simplify the radical

$$\sqrt{45}$$