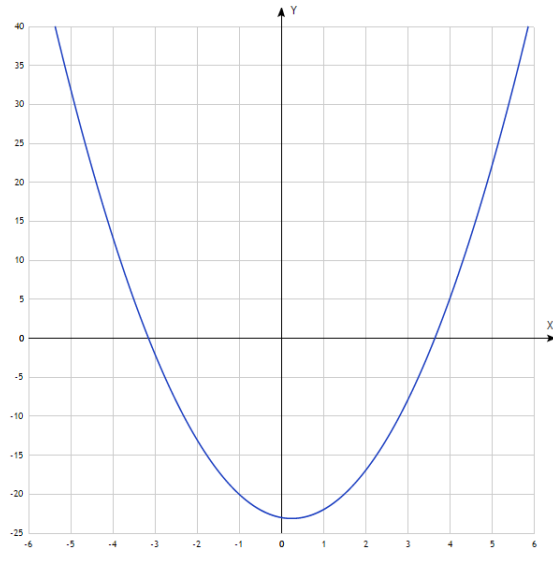# Answer on Question #68566 - Math - Algebra

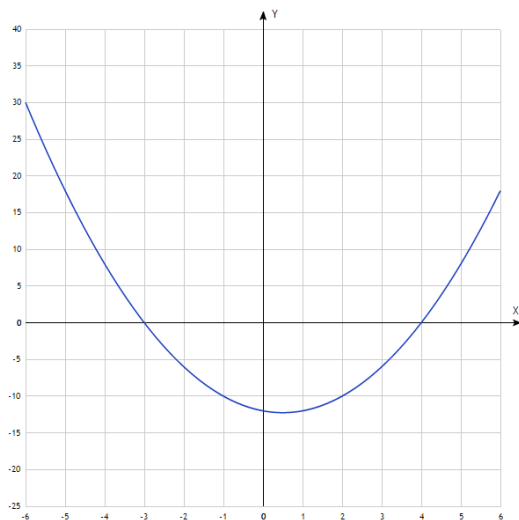**Question:** Tim has drawn the graph of $y = 2x^2 - x - 23$

What line should be drawn on the graph to solve the equation $x^2 - x - 12 = 0$?

Solution:

Tim's graph:

Graph we need to solve the equation $x^2 - x - 12 = 0$ is $y(x) = x^2 - x - 12$. Solutions of the equation are intersections of the graph and the X-axis.

Answer:

$$x_1 = -3$$
$$x_2 = 4$$