SUBJECT: math	Unit : 3	*Lesson 1 :Solving Polynomial Equations by Graphing*	TEACHER: Mrs. Amal

Starter

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

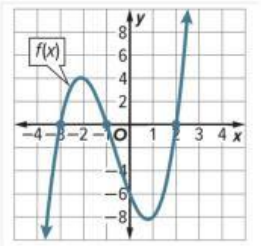
1.

2.

3.

4.

5.



The values of x for which f(x) = 0 are the real zeros of the function and the x−intercepts of its graph

$zeros\ are\ \{-3, -1, 2\}$

$replace\ 0\ with\ f(x)$

$f(x) = x^3 + 2x^2 - 5x - 6$

$graph\ the\ function\ f(x)$

$f(x) = x^3 + 2x^2 - 5x - 6$

$simplify$

$x^3 + 2x^2 - 5x - 6 = 0$

$make\ the\ equation = 0$

$x^3 + 2x^2 - 4x - x - 6 = 0$

LIVEWORKSHEETS