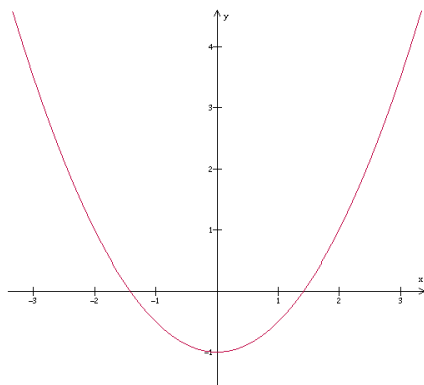


3.0 Chapter 3: Quadratic Functions in Standard and Factored Forms**Getting Started**Recall: Solving Linear Equations

- Goal: isolate the variable
- A linear equation has only one solution
- Whatever operation you do to one side, you must do to the other

Example 1: Solve $7y - 12 = 30$ Recall: Graphs of Quadratic Functions

- The vertex is the turning point
- The axis of symmetry is the vertical line in the centre ($x = \#$)
- Domain = all possible x values
- Range = all possible y values

Example 2: State the vertex, equation of the axis of symmetry, domain and range of this function.Example 3: Decide whether the following table of values represents a linear or non-linear function.

x	y
-2	8
-1	2
0	0
1	2
2	8
3	18

Homework: p.126-128 #2-9