

Definition 1. Define the function h by the formula $h(n) = -2(3n - 5)^2 + 3$ with domain $(-\infty, \infty)$.

Exercise 1 The graph of $h(n)$ is best described by which of the following?

Multiple Choice:

- (a) Line
 - (b) V-shaped
 - (c) Parabola ✓
 - (d) Sideways Half-Parabola
-

Exercise 2 The graph of $h(n)$ includes what type of point?

Multiple Choice:

- (a) a highest point ✓
 - (b) a lowest point
 - (c) neither
-

Exercise 3 The graph of $h(n)$ opens up or down?

Multiple Choice:

- (a) up
 - (b) down ✓
 - (c) neither
-

Exercise 4 How many n -intercepts does the graph of $h(n)$ have?

Multiple Choice:

- (a) 0
 - (b) 1
 - (c) 2 ✓
-