

Modeling with Quadratic Equations

Set 5-5a

The height of an object thrown horizontally off an 80 foot building is described by: $h(t) = -16t^2 + 80$.

- 1) *After one second, how high is the object?*

- 2) *After two seconds, how high is the object?*

- 3) *How long is the object in the air?*

- 4) *When is the object at a height of 16ft?*

- 5) *Graph the function.*