## Lesson 23: Comparing Functions

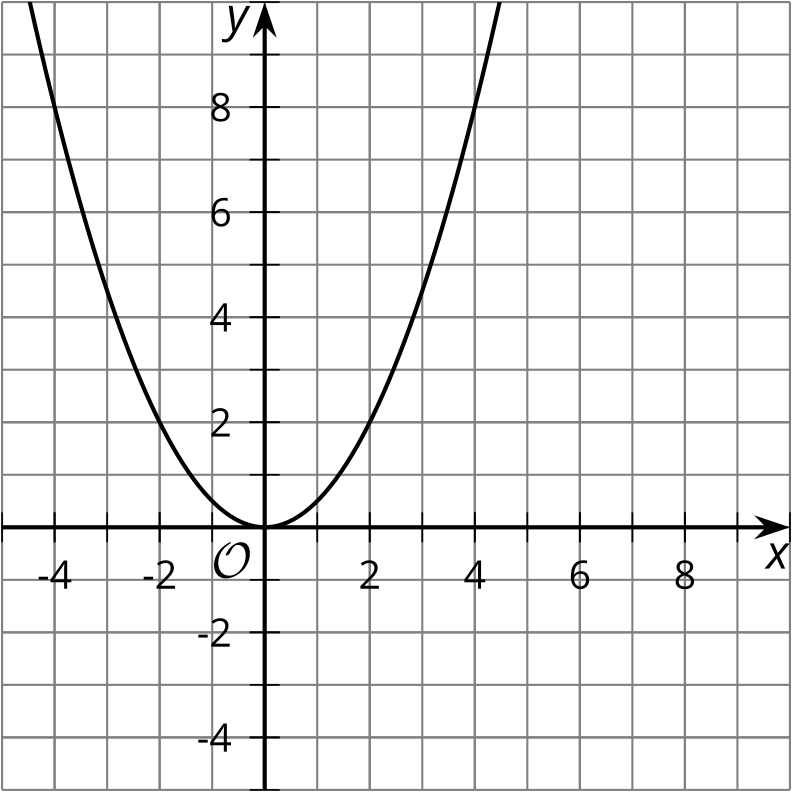
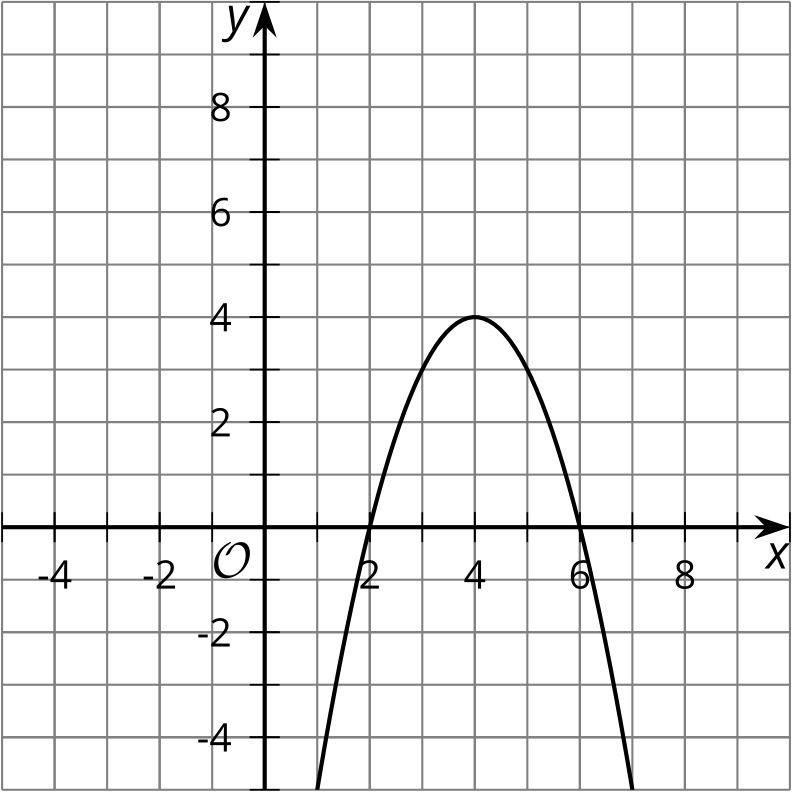
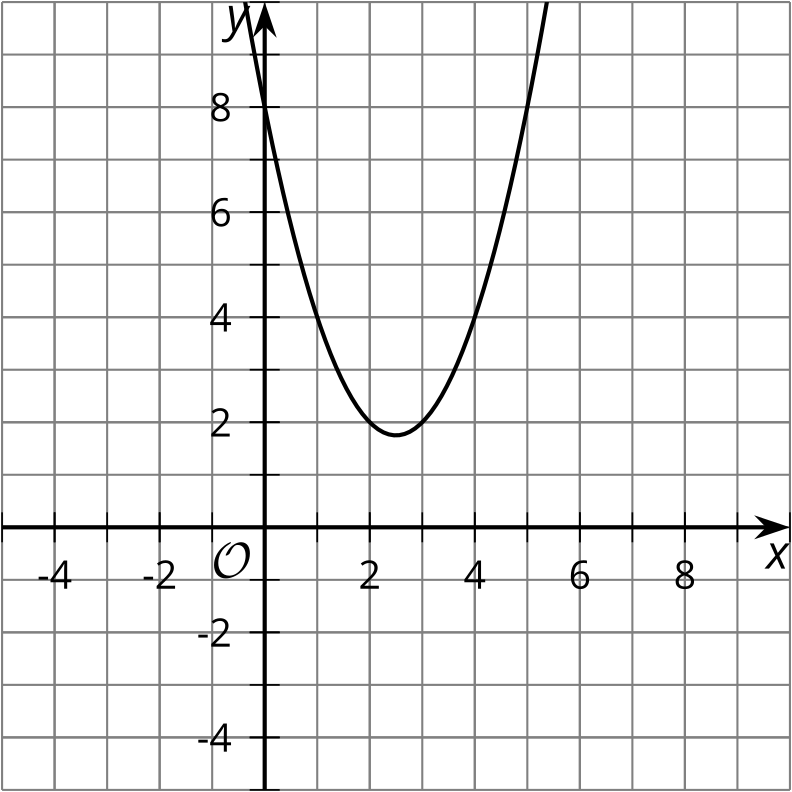
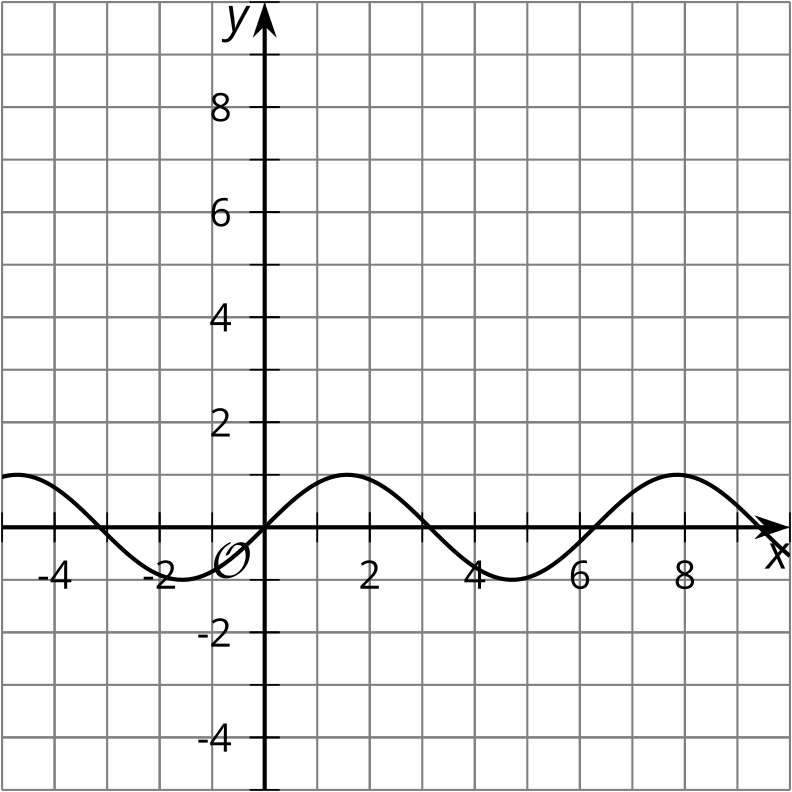
* Let’s evaluate and compare functions.

### 23.1: Math Talk: Evaluating Functions

Mentally evaluate each of the functions when .

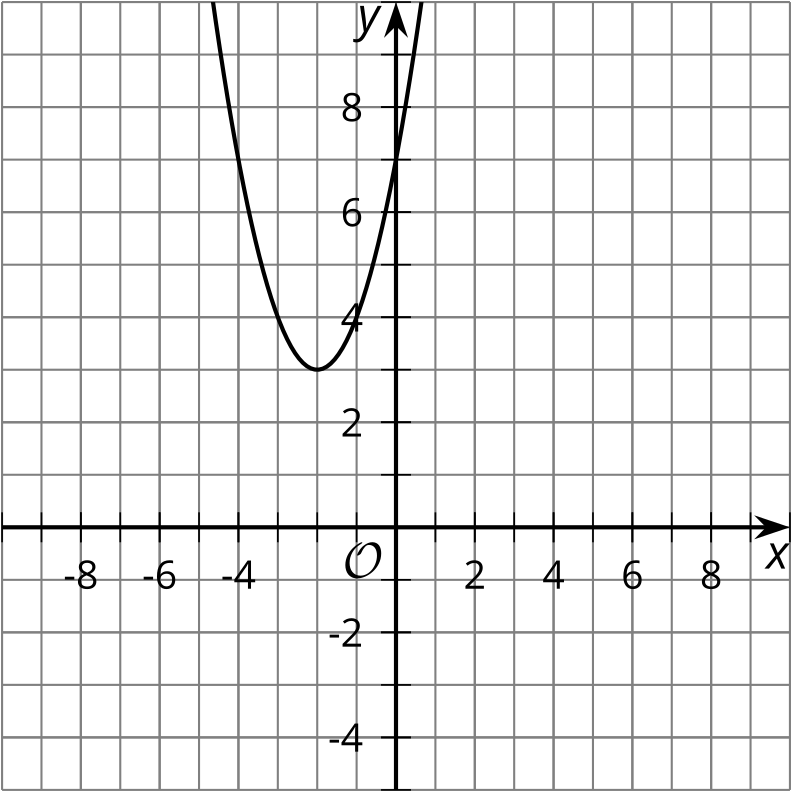
### 23.2: Comparing Functions

The notation means the output of function when is 2. For each function, determine whether , , or .

1. 
2. 
3. 
4. 

### 23.3: Finding the Vertex

Write each function in vertex form, then find the coordinates of the vertex.

1. 



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