

Precalculus Section 2.3 Exercises

- Graph following functions. On each graph, label the vertex and the x - and y -intercepts.
 - $f(x) = -4x - 8x - 3$
 - $f(x) = 2(x - 1)^2 - 4$
- It takes a child 1 hour longer than an adult to fill a certain box with candy. If a child and an adult work together, they can fill the box in half an hour. How long does it take a child to fill the box alone?
- A monument consists of two cubical blocks of granite, the smaller resting on the larger. The total height of the monument is 5 feet, and the area of the exposed surface is 61 square feet. Find the dimensions of the blocks.