

IB Functions Problem 015

Consider two different quadratic functions of the form $f(x) = 4x^2 - qx + 25$.

The graph of each function has its vertex on the x -axis.

- A. Find the two values of q .
- B. For the larger value of q , solve $f(x) = 0$.
- C. Find the coordinates of the point of intersection of the two graphs.