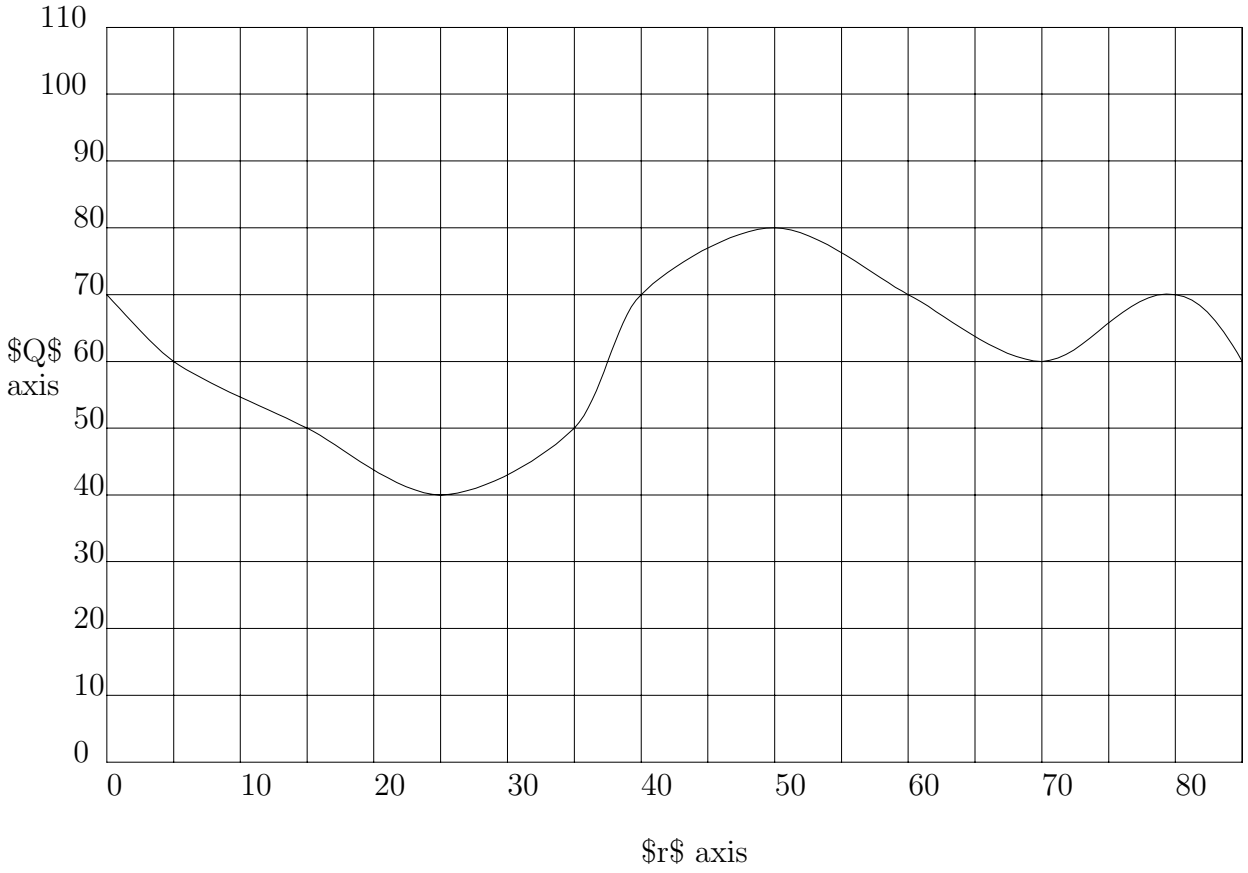
Mathematics 122 Quiz #2 Name: _____

A function $Q = f(r)$ is given by the graph below.



1. What are the following numbers:
   (a) $f(15) =$

   (b) $f(50) =$

   (c) $f(65) =$

   (d) $f(57) =$
2. Solve the folowing
   (a) $f(r) = 40$ $r =$ _____

   (b) $f(r) = 60$ $r =$ _____

3. What is the largest that $Q = f(r)$ becomes on the interval $1 \leq r \leq 9.5$?

   _____

4. For that value of r is $Q = f(r)$ the largest? _____