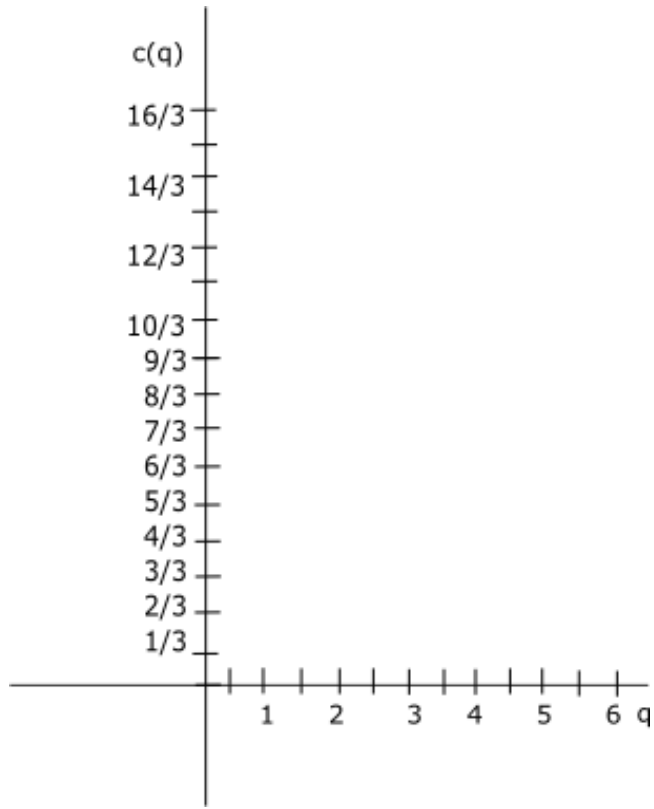


**AAU - Business Math I (MTH 111) - Spring 2010**

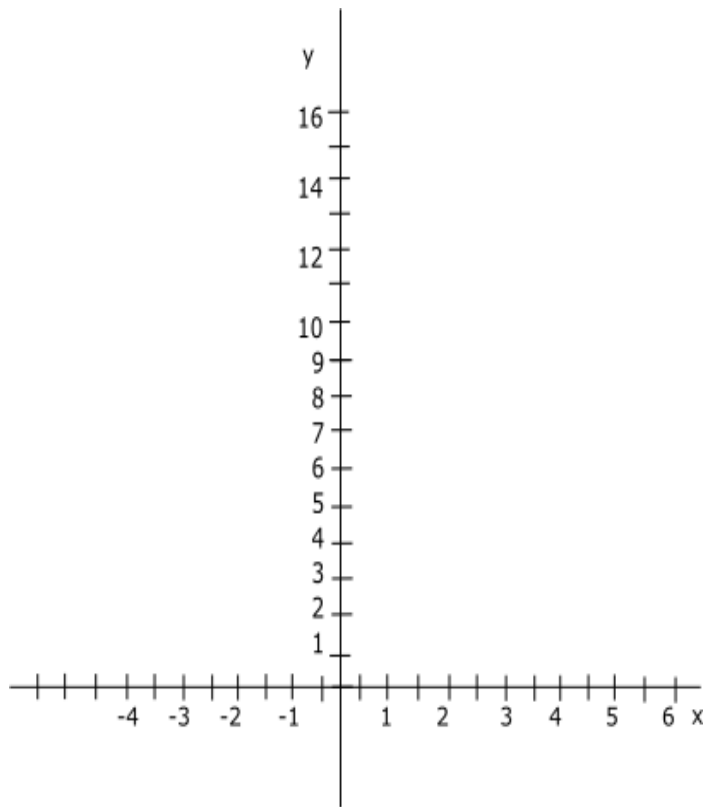
1. Firm's cost function is given by  $c(q) = \frac{1}{3}2^q$ . Fill in the following table:

Quantity	Cost
0	
1	2/3
2	
3	
4	

2. Sketch the cost function below.



3. Sketch the following function:  $5\left(\frac{1}{2}\right)^x$ .



4. State the inverse of each function and sketch their graphs.

(a)  $h(x) = \frac{1}{8}x + \frac{1}{2}$

(b)  $g(x) = \frac{4-3x}{5}$

Midterm - histogram

