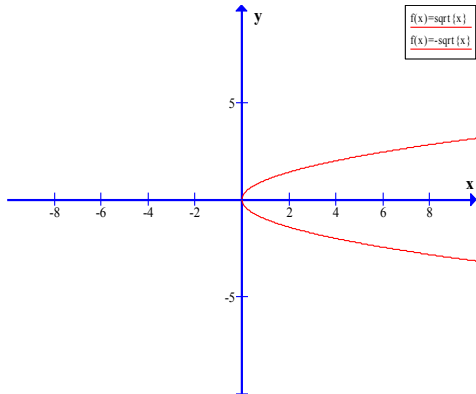


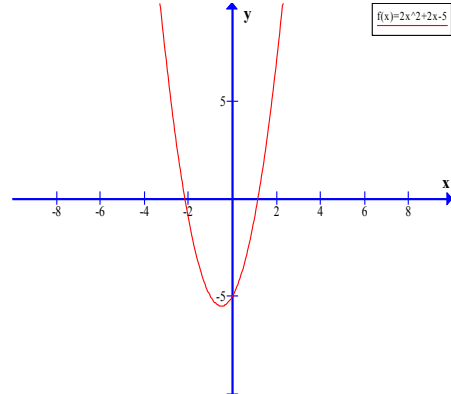
3.2 Practice Problems

1. Determine if the following graphs represent functions.

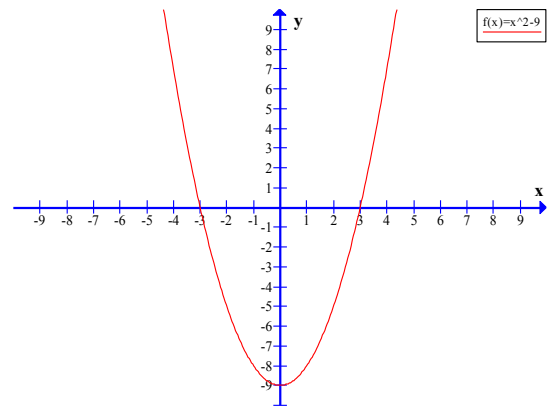
a.



b.



2. Find the domain and range of the function using its graph.



3. If the graph in problem 2 is named $f(x)$ find the following.

a) $f(0)$

b) For what values of x does $f(x) = 0$?

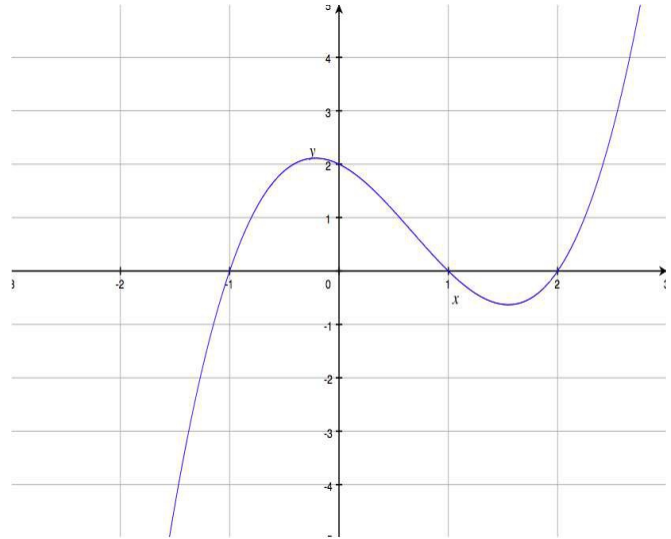
c) For what values of x is $f(x) > 0$?

4. If the graph is named $f(x)$ find the following.

a) $f(0)$

b) For what values of x does $f(x)=0$?

c) For what values of x is $f(x)>0$?



5. Consider the function: $f(x)=\frac{x+2}{x+3}$

a) Find the domain of f .

b) Is the point $\left(1, \frac{1}{2}\right)$ on the graph of f ?

c) If $f(x)=2$, what is x ?

d) What are the intercepts of the graph of f (if any)?