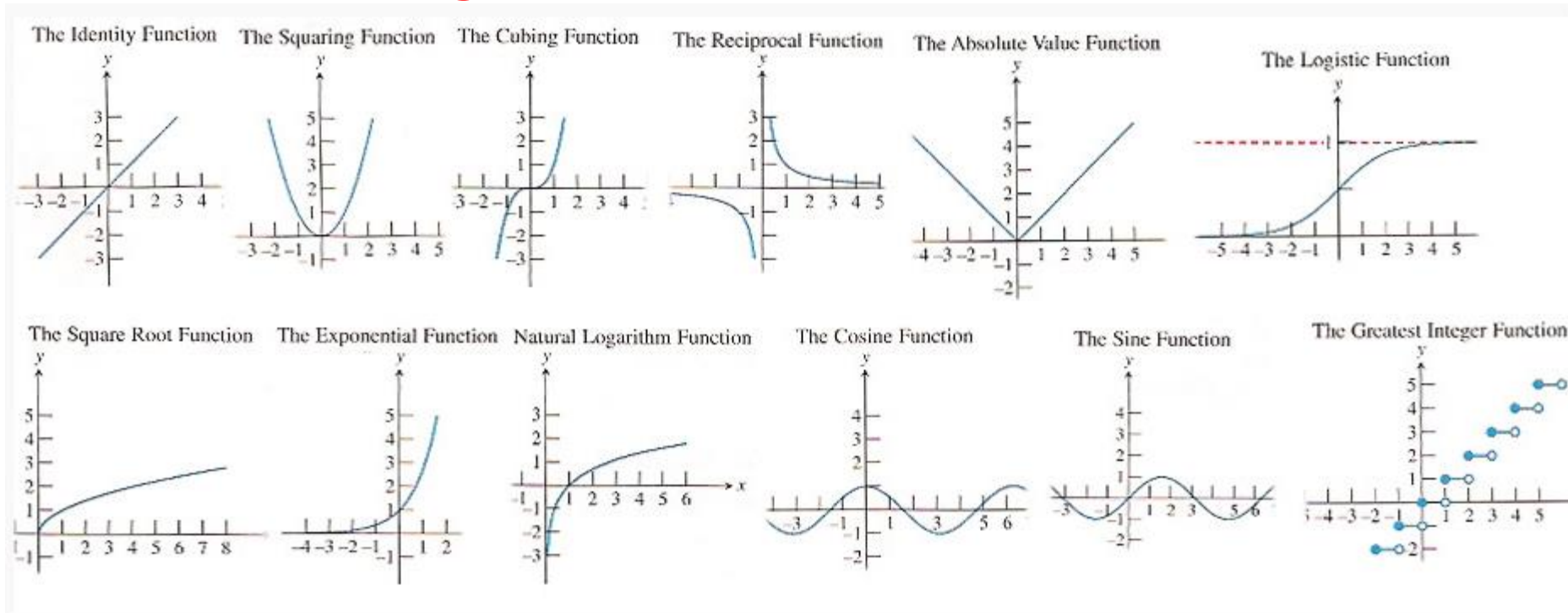# Section 1.3

Friday 10/06

Section 1.3
The 12 Basic Functions

- Draw the following graphs of the 12 basic functions and find their domain. State whether each function is continuous or non continuous. Also find any V.A or H.A **Page 99-100-101**

The Identity Function   The Squaring Function   The Cubing Function   The Reciprocal Function   The Absolute Value Function   The Logistic Function

The Square Root Function   The Exponential Function   Natural Logarithm Function   The Cosine Function   The Sine Function   The Greatest Integer Function

Classwork

In Exercises 29–34, use your graphing calculator to produce a graph of the function. Then determine the domain and range of the function by looking at its graph.

29. $f(x) = x^2 - 5$

30. $g(x) = |x - 4|$

31. $h(x) = \ln(x + 6)$

32. $k(x) = 1/x + 3$

33. $s(x) = \text{int}(x/2)$

34. $p(x) = (x + 3)^2$

Classwork/Homework

- Page 106 # 1 through 12