**Chapter 1 Review**

1. Graph .



1. Vertical Asymptotes:
2. Horizontal Asymptotes:
3. Domain:
4. Range:
5. Zeros:
6. Increasing/Decreasing Intervals:
7. End Behavior:
8. Symmetry:
9. Continuous or Discontinuous (removable/nonremovable):
10. Local Extrema:
11. Bounded:
12. Graph f(x) =



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2. Horizontal Asymptotes:
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12. Graph. f(x) = 2x + 3 if x > 0

3 - if x < 0



1. Graph. f(x) = |x| if x < 1

if x > 1



1. a) Is f(x) = a function?

b) Is f(x) = one-to-one?

c) Find the inverse of f(x) = . State the domain of the inverse.

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1. Confirm that *f* and *g* are inverses when f(x) = and g(x) = .
2. Confirm that *f* and *g* are inverses when f(x) = and g(x) = .