Reading Questions for Section 2.1 and 2.2 Name _____
Due Date: _____

Bring this completed sheet with you to class on the due date to be handed in at the very beginning of the period.

1. Carefully reread the house painting example back on p. 4. What is $f(20{,}000)$? (SELECT ONE)
   a) It's 20,000 gallons of paint.
   b) It's the number of gallons you need to paint 20,000 ft^2 of house.
   c) It's 20,000 houses to paint.
   d) It's 20,000 ft^2 of house to paint.

2. In Section 2.1, Example 4, what is the value of $h(-2)$?

3. The value of -2 is in the range of $f(x)$ in Section 2.1, Example 6 on page 63.
   a) True
   b) False

4. Which of these is NOT a real number? (Select **ALL** possible answers.)
   a) The square root of 2
   b) The square root of 0
   c) The square root of -2
   d) 1 divided by 0
   e) 0 divided by 1
   f) The cubed root of 2
   g) The cubed root of 0
   h) The cubed root of -2

5. The domain is the set of ...
   a) monotonic values
   b) input values
   c) diatonic values
   d) output values.

6. The range is the set of ...
   a) monotonic values
   b) input values
   c) diatonic values
   d) output values.

7. Read Example 4 in Section 2.2 carefully. What reason does the text give for why it is not possible for $g(x)$ to equal 0?

8. Why did they restrict the domain in Section 2.2, Example 2?
   a) It's for mature audiences only.
   b) Chirp rate is nonnegative and noninfinite.
   c) All the crickets died.
   d) It pertained to certain species of cricket.
   e) Crickets make lousy house pets.