**Foundations and Pre-Calculus 10  
Chapter 2 – Practice Test**

1. Evaluate each radical.  
a) b)

c) d)

2. Estimate the value of each radical to 1 decimal place.  
 a) b) c)

3. For , does its decimal form terminate, repeat, or neither? Support your answer with an explanation.

4. Tell whether each number is rational, irrational, an integer, whole number, or natural number.  
a) -2 b) 17 c)

d) e) 0.756 f)

g) 0 h) i)

5. Write each radical in simplest form.  
a) b)

c) d)

6. Write each mixed radical as an entire radical.  
a) b)

c) d)

7. Arrange these numbers in order from greatest to least, without using a calculator.  
, , , ,

8. Express each power as a radical.  
a) b)

c) d)

9. Express each radical as a power.  
a) b)

c) d)

10. Evaluate each power without using a calculator.  
a) b)

c) d)

11. Arrange these numbers in order from greatest to least.  
, , ,

12. Evaluate each power without using a calculator.  
a) b) c)

13. Simplify.   
a) b)

c) d)

14. Simplify. Show your work.

a) b)

c) d)

15. Evaluate.  
a) b)

c) d)

16. Simplify

a)

b)