1. The radius of the unit circle is \_\_\_\_\_\_\_\_\_\_\_.
2. The circumference of the unit circle is \_\_\_\_\_\_\_\_\_\_\_\_\_.
3. The largest value of sine is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
4. The smallest value of cosine is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. As angles increase from 0 to π what happens to:
   1. The value of sine?
   2. The value of cosine?
6. In which quadrants do sine and cosine have the same sign?
7. Name two angles that have:
   1. A sine value of
   2. A tangent value of
   3. A cosine value of
   4. A sine value of 2
8. a. b. c. d.

e. f. g. h.

i. j. k. l.