Ch. 1 & 2 Review

Note: This is not a complete list of topics – you should study your lecture notes and homework in addition to reviewing the items listed here.

- 1. Trigonometric Functions
 - a. basic terms
 - i. initial side
 - ii. terminal side
 - iii. vertex
 - iv. degree
 - v. right, acute, obtuse, and straight angles
 - vi. complementary
 - vii. supplementary
 - viii. standard position
 - ix. quadrantal angles
 - x. coterminal angle
 - b. vertical angles have the same measure
 - c. parallel lines & a transversal
 - i. corresponding angles (same measure)
 - ii. alternating interior angles (same measure)
 - iii. alternating exterior angles (same measure)
 - iv. interior angles on the same side of the transversal (supplementary)
 - d. types of triangles
 - i. acute
 - ii. right
 - iii. obtuse
 - iv. scalene
 - v. isosceles
 - vi. equilateral
 - e. similar triangles sides are proportional
 - f. the six trig functions defined by x, y, and r
 - g. basic identities
- 2. Acute Angles and Right Triangles
 - a. the six trigonometric functions defined in terms of the sides of a right triangle (SOH-CAH-TOA)
 - b. reference angles
 - c. solving right triangles
 - d. bearing and other applications