Precalculus Test Topics for 4.4-6 Unit Test October 11

Resources: Quizzes 4.4, 4.5, 4.6, all homework, textbook, notes, two review assignments. Use ebook to do Chapter 4 Review 43-68, only those with answers available.

* Values for which trig functions are undefined.
* Given equation, find amplitude, period, phase shift, vertical shift (4.5 quiz)
* Sketch graph of a sine or cosine function in y=d+sin(bx-c) format, giving zeroes, maxima, minima, and y-intercept (plug 0 for x, solve for y)
* Write equation of function from a graph. (4.5-6)
* Give domain, range, period, even/odd, asymptotes of all parent functions. (4.6)
* Given a point on terminal side of angle, find all trig function values, any quadrant. (4.4)
* Identify quadrant given information about values of trig functions (4.4)
* Solve an equation for Ɵ given the value of the trig function (use reference triangles in 2 quadrants) 4.4
* Given information about one trig function value, find a different one (based on triangle sketched from the origin in the quadrant given). Review problem # 7.
* Write equation of trig function given information (opposite of 2nd bullet above). 4.5
* Use calculator to evaluate function or reciprocal function rounding as indicated. 4.4 calculator part
* Find reference angles (angle between ray indicated and the x-axis as if you had drawn the triangle… always positive, always less than 90)