**Chapter 5 Trig Functions**

1. Graph the sine function y = 2sin3x - 1 and find the amplitude, the period and the y-intercept.
2. Model the progress of a second hand on a clock with a sinusoidal function. Write the equation and sketch the graph.
3. Graph the function sec(x) from 0 to 360° showing any intercepts and asymptotes.
4. Solve the equation and show all solutions from 0 to 360°:
5. 3 sin² x – 1 = 2