MATH 107H Quiz 8

Name:_____ Score:_____

Instructions: You must show supporting work to receive full and partial credits. No text book, notes, formula sheets allowed.

1(6pts) Determine the interval of θ in $[0, 2\pi]$ so that the graph $r^2 = 4\sin(2\theta)$ is defined and sketch the graph by hand.

2(2pts) Transform the equation $r = \cot\theta \csc\theta$ into an equation in the Cartesian coordinate and identify the graph.

3(2pts) Express the line $y = 2$ in terms of polar coordinate.

(*... The End*)