

Name: _____

MA 3330: Quiz 1.1 to 1.3

1. 1.1: 1,5,10,12,54,56, 59 (for the technology questions I used Desmos).
2. Graph (using technology if necessary) the cycloid $x = 4(t - \sin t)$, $y = 4(1 - \cos t)$ over $0 \leq t \leq 2\pi$.
3. For the following functions, express as a parametric equation.
 - (a) $y = -x^2 + 1$
 - (b) $y^2 = -x + 1$
 - (c) $y^2 = -x^2 + 1$
4. 1.2: 66, 68, 81,88, 89
5. 1.3: 125-130, 132, 133, 136, 141, 142, 143, 158, 159, 160, 163, 165, 167, 171, 176, 183