

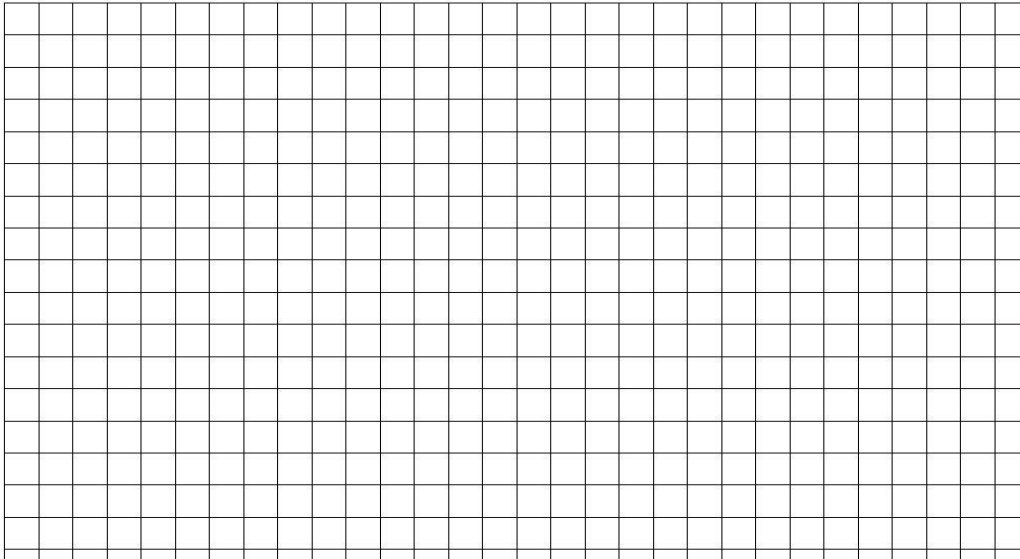
Section 4.5

Name _____

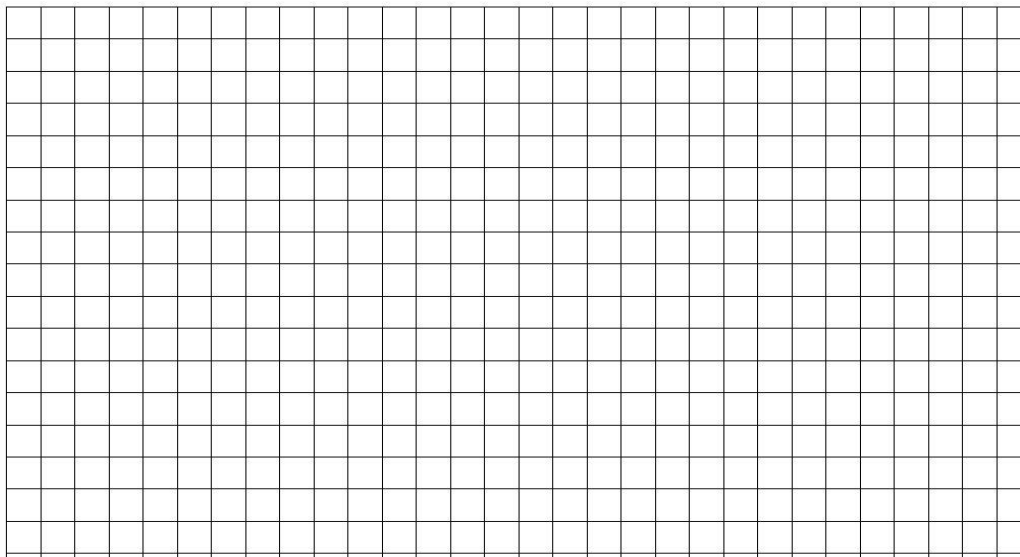
Date _____ Hour _____

For each of the following problems graph two full cycle of output values. Label each tick mark and create a table of values for the tangent and cotangent functions.

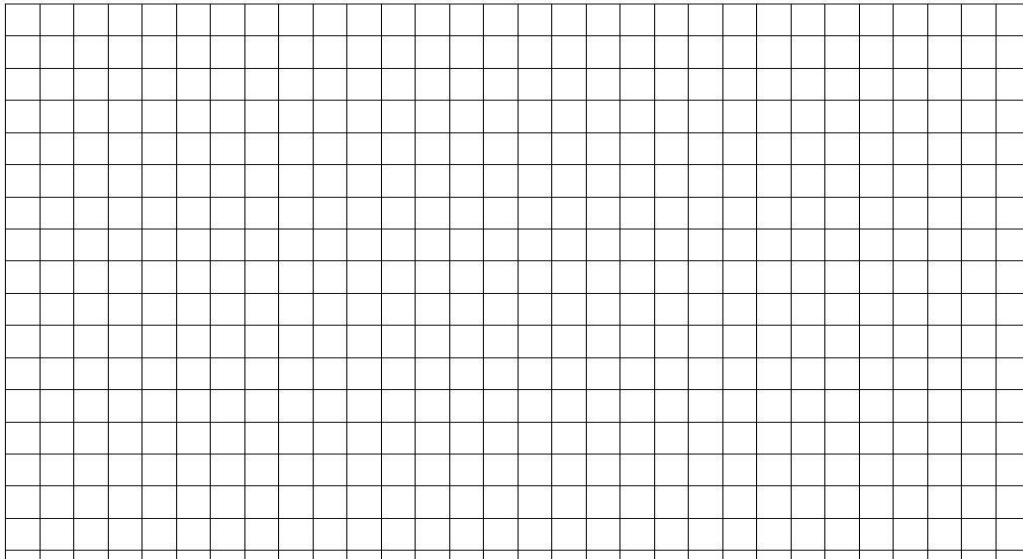
1. $y = -2 \cot\left(x - \frac{\pi}{2}\right)$



2. $y = 3 \tan(2x - \pi) + 1$



3. $y = 3\sec(3x) + 1$



4. $y = -2\csc\left(4x - \frac{\pi}{2}\right) - 3$

