MAT 123-Practice Final Exam (part 2)-Fall 2018

NAME:_____

TA Name:_____

Recitation number:

∗Each numbered question is worth 20% of this exam grade.

1. Graph $y = \frac{x^2-4x+4}{x^2+4x+4}$ on a scaled set of axes with intercepts and asymptotes.

2. Graph $f(x) = 4 - 3\cos(2x - 1)$ on a scaled set of axes.

3.Graph $f(x) = -\ln(4 - x)$ on a scaled set of axes.

4. Graph $y = \frac{-x}{x^2-9}$ on a scaled set of axes with intercepts and asymptotes.

5. Solve for the three smallest positive values of x if $\ln(\cos 2x) = \ln(2\sin^2 x)$