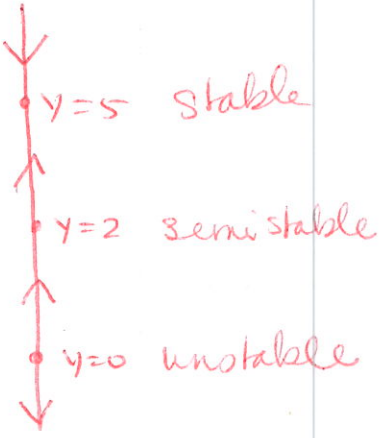
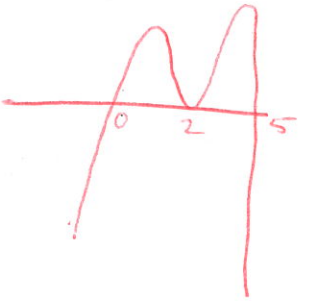
MTH 291, Quiz #6, Spring 2018 Name KEY

Instructions: Show all work. Use exact answers unless otherwise asked to round.

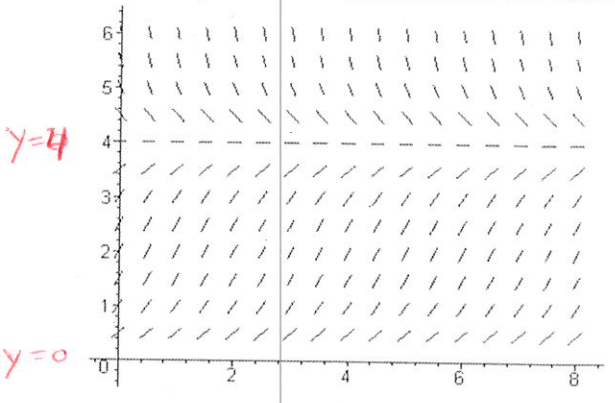
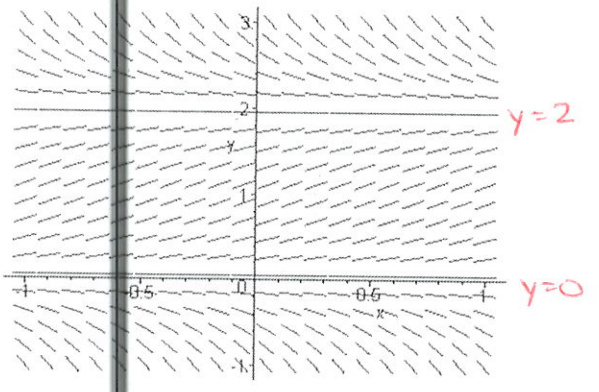
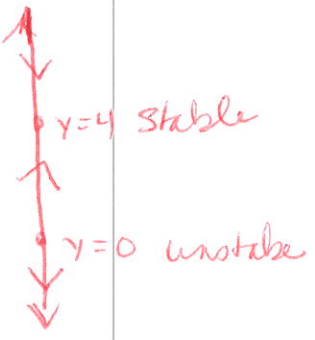
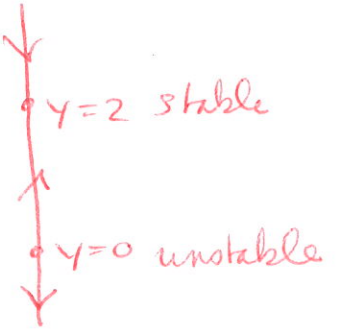
1. Graph a phase line for $y' = -y(y-5)(y-2)^2$ by hand and comment on the stability of each equilibrium.

$y=0, y=5, y=2$





2. Direction fields for population models are shown below. Convert each autonomous direction field to a phase line. Comment on the stability of each equilibria.



b.