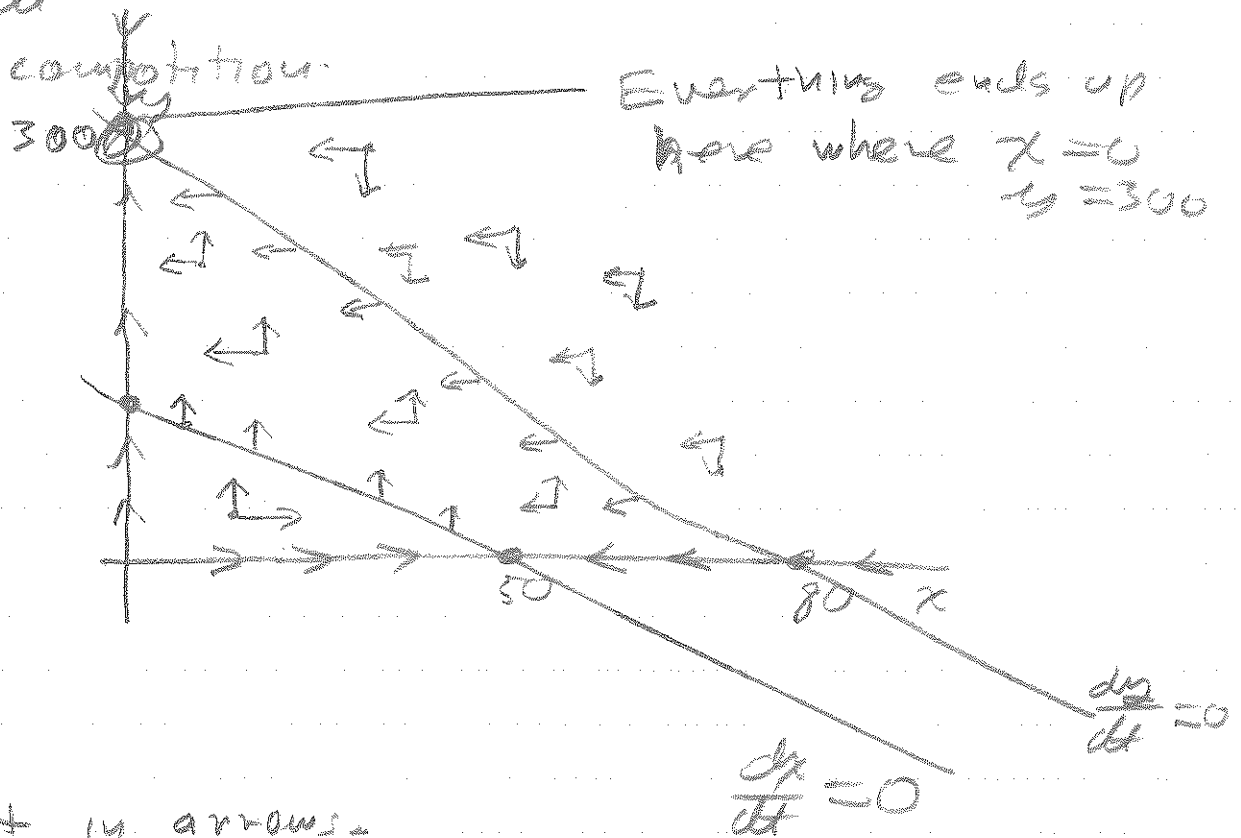


Quiz 24

The following figure shows when $\frac{dx}{dt} = 0$ and $\frac{dy}{dt} = 0$ for the differential equations

for competition



(a) put in arrows.

(b) estimate $x(100)$, $y(100)$

$$x(100) \approx 0$$
$$y(100) \approx 300$$