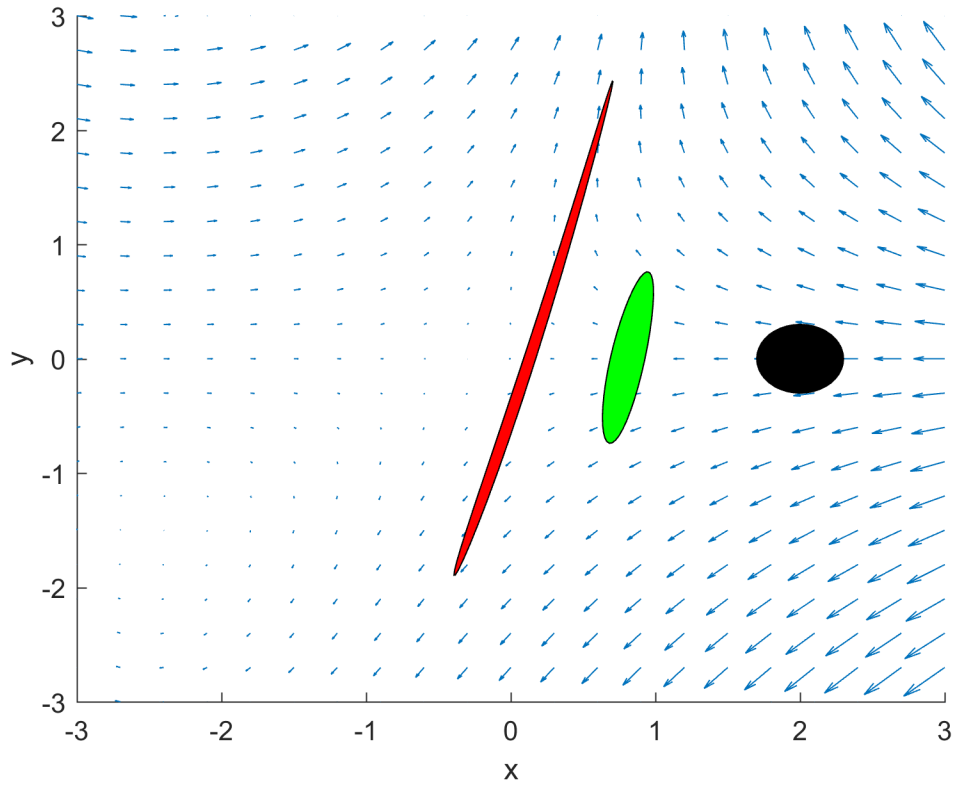
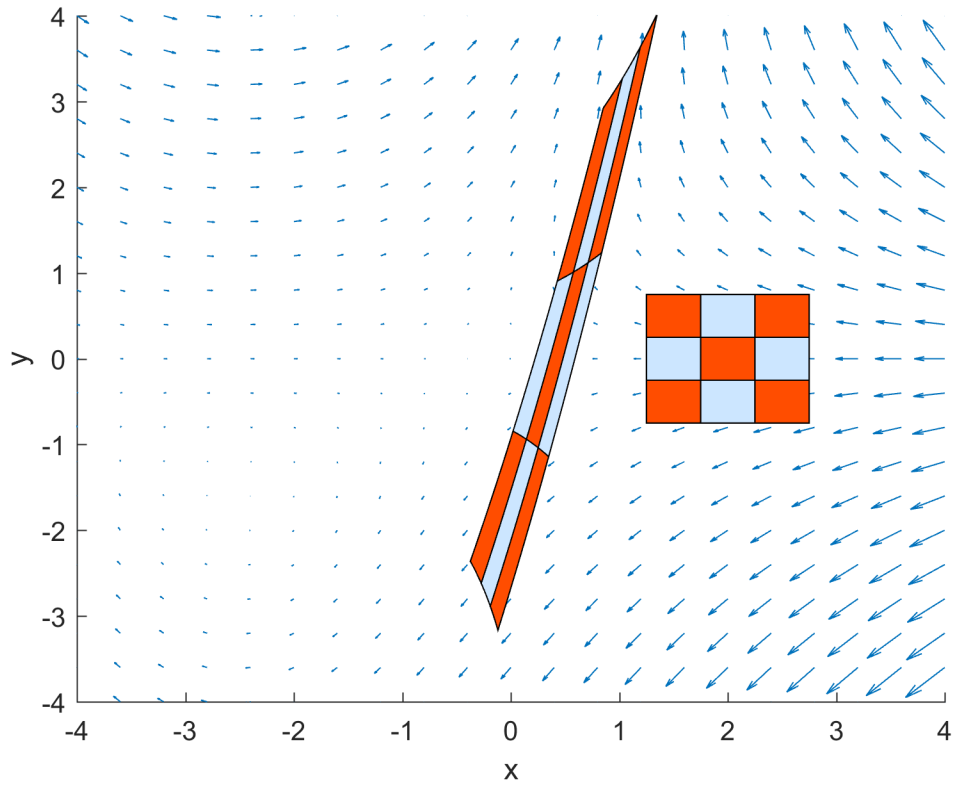


Prob 1 Plot: Black, green, and red blobs are for $t = 0, 0.6,$ and 1.5



Prob 2 Plot: The "checkerboard" at $t = 0$ and 1



Prob 3: (a) Yes. (b) No; Area = 0.363 at $t = 0.5$

Prob 4: $T = 31.7^\circ\text{C}$

Prob 5: (b) $\omega(t)/\omega(0) = \exp(S t)$