18.022 Recitation Quiz 22 October 2014

1. Sketch the vector field $\mathbf{F} = (x^2, y^2)$.

2. On what subset of \mathbb{R}^2 is the divergence of $\mathbf{F} = (x^2, y^2)$ positive?

 $3. \ Comment on the relationship between the previous two questions.$