

1. For the vector field  $F(x, y) = \langle -y, 1 \rangle$ , write the outputs corresponding to the following inputs:

$(x, y)$	$\mathbf{F}(x, y)$
$(1, 0)$	
$(0, 1)$	
$(-1, 0)$	
$(0, -1)$	
$(1, 1)$	
$(-1, 1)$	
$(-1, -1)$	
$(1, -1)$	

2. Sketch the vector field from Question 1:

