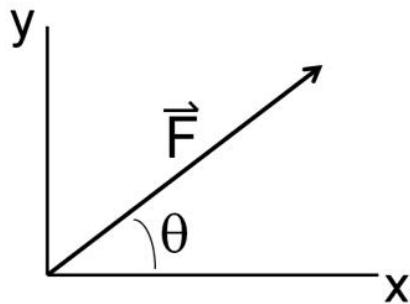


Name: _____

Composition and Resolution of Vectors Pre-Lab
(Due at the beginning of lab period.)

1) (a) Write equations for the x and y components of the vector \vec{F} in the figure in terms of the angle θ and the magnitude of the vector \vec{F} .

(b) Draw the components on the provided figure or reproduce this figure on the paper you plan to hand-in.



2) Now draw a vector which exactly cancels out the vector in question (1). Make sure to properly indicate its magnitude and direction.