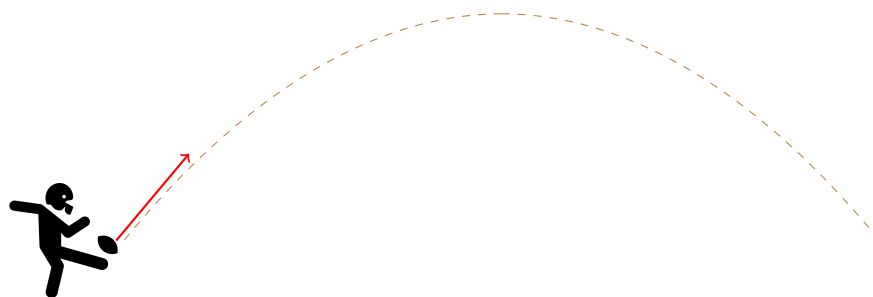# YAPP [Yet Another Practice Problem]

A football is kicked at an angle off the ground (as shown in the picture above). The football is in the air for 1.2 seconds and travels forward 53 meters.

(a) Calculate the x- and y- components of the football's initial velocity.

(b) Use these x- and y- components to calculate the direction (angle) and magnitude of the football's initial resultant velocity vector.