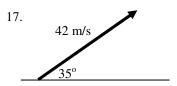
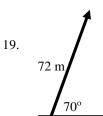


Resolve the following vectors into their x and y-components.

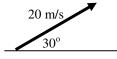


18. 45° 20 m/s²



- 21. A person walks 6 m East, 9 m North, 2 m South, 1 m West, and then 3 m North.
 - A) Find the total x-displacement.
 - B) Find the total y-displacement.
 - C) Using the x and y-components above, draw the resultant.
 - D) Find the resultant's magnitude and direction.

- 20. An object moves at 20 m/s at 30°.
 - A. Draw how far it travel in 3 second? (Be sure to show magnitude and direction.)



B. How far does the object travel in the x-direction during the same 3 seconds?