Given the components of velocity Vx = 10 m/s and Vy = 15 m/s, find the magnitude and the direction of the velocity vector.

- a. Magnitude = 18.03 m/s, direction = 33.7 degrees
- b. Magnitude = 25 m/s, direction = 56.2 degrees
 c. Magnitude = 18.03 m/s, direction = 56.2 degrees
- d. Magnitude = 25 m/s, direction = 33.7 degrees