1. For each problem below, use the Pythagorean Theorem to find the magnitude and \( \tan \theta = \frac{|y|}{|x|} \)
   
   a. magnitude = 48.1, direction = 51.7°
   b. magnitude = 6.1, direction = 62.6°
   c. magnitude = 15.2, direction = 38.3°

2. Answers: