1. Use trigonometric ratio and Pythagorean theorem to add the vectors given. Determine the magnitude and direction of the resultant vector.

B=42.1

A=101.1

x$ θ$ =17.5 degrees

y$ θ$ =12.9 degrees

1. Determine the resultant of the vectors with the given magnitude and directions. Positive angles are measured counterclockwise from the positive x-axis and negative angles are measured clockwise from the positive x-axis.

A; 565, 154.0 degrees

B; 1241, 233.0 degrees