## Answer on Question \#51281 - Physics - Mechanics | Kinematics | Dynamics

If two vectors are represented by two adjacent sides of a parallelogram the resultant is represented in $\qquad$ and
$\qquad$ .
triangle and rectangle
magnitude and direction
parallel and perpendicular
scalar and vector

## Solution:

If two vectors, acting simultaneously at a point, can be represented both in magnitude and direction by the two adjacent sides of a parallelogram drawn from a point, then the resultant is represented completely, both in magnitude and direction by the diagonal of the parallelogram passing through the point.

(a)

(b)

$$
\vec{P}+\vec{Q}=\vec{R}
$$

Answer: magnitude and direction

