

# Chapter 6

Warm-ups

Determine the component form and magnitude if  $P = (-4, 2)$ ,  $Q = (5, -1)$  and  $R = (-2, -3)$

1.  $PQ$

2.  $QR$

Draw the resultant vector represented by the vector operation.

$$u = \langle 3, -2 \rangle \quad v = \langle -1, -3 \rangle$$

3.  $u + v$

4.  $v - u$