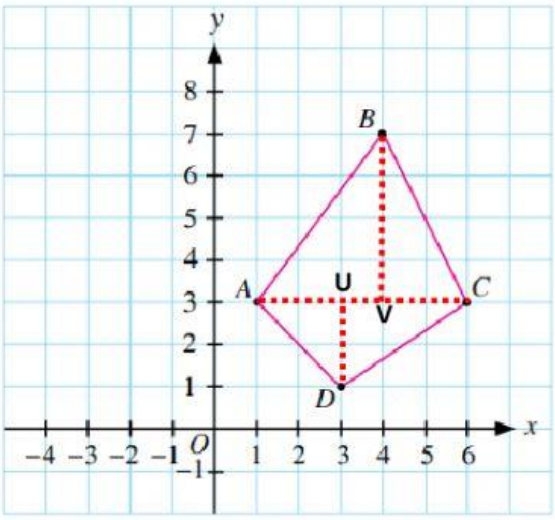
Latihan tambahan 7.1 : Jarak dalam Sistem Koordinat Cartes

Soalan 1 : Hitungkan PERIMETER ABCD



$AB^2 = BV^2 + AV^2$

$AB^2 = 4^2 + 3^2$

$AB = \sqrt{16 + 9}$

$AB = \sqrt{25} = \underline{5}$

$BC^2 = BV^2 + VC^2$

$BC^2 = \_\_\_^2 + \_\_\_^2$

$BC = \sqrt{\_\_\_ + \_\_\_}$

$AB = \sqrt{\_\_\_} = \_\_\_$

$CD^2 = CU^2 + DU^2$

$CD^2 = \_\_\_^2 + \_\_\_^2$

$CD = \sqrt{\_\_\_ + \_\_\_}$

$CD = \sqrt{\_\_\_} = \_\_\_$

$AD^2 = AU^2 + DU^2$

$AD^2 = \_\_\_^2 + \_\_\_^2$

$CD = \sqrt{\_\_\_ + \_\_\_}$

$CD = \sqrt{\_\_\_} = \_\_\_$

Perimeter ABCD

= AB + BC + CD + AD

= 5 + _____ + _____ + _____

= _____ unit

SOALAN 2

Diberi koordinat titik A dan titik B masing-masing ialah (-2,6) dan (4,1). Lengkapkan langkah kerja yang berikut bagi mencari jarak AB .

$AB = \sqrt{[4 - (\quad)]^2 + [1 - (\quad)]^2}$

$AB = \sqrt{\_\_\_\_\_^2 + (-5)^2}$

AB = _____ unit .