

## **GAC004 CA1(Semester 2) Equation of a Straight Line**

1. Find the exact distance between the two points  $(0, 2)$  and  $(3, 6)$ .
  
2. Find the coordinate of the midpoint between  $(-2, 5)$  and  $(6, -7)$ .
  
3. Find the distance of the point  $(5, -1)$  from the midpoint of the line joining  $(6, 9)$  and  $(2, 4)$ .
  
4. The following coordinates of A  $(-2, 3)$ , B  $(1, 0)$ , C  $(2, 4)$  and D  $(5, 1)$  are the vertices of a quadrilateral. Find the perimeter of the quadrilateral (to 2 decimal places).
  
5. Find the exact values of  $m$  and  $n$  if  
 $(1, -2)$  is the midpoint of  $(m, 0)$  and  $(-3, n)$