

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 $(-3, n)$