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| --- | --- | --- |
| **Vectors and Coordinates** | | |
| **(a)** | **(c)** | **(e)** |
| is a parallelogram.  and  Given that the coordinates of are , find the coordinates of points , and . | is a parallelogram.  The coordinates of are and of are . Find the coordinates of and , and the vector . | is a trapezium. .  and  The coordinates of are . Find the coordinates of , and the vector . |
| **(b)** | **(d)** | **(f)** |
| is a parallelogram.  and  Given that the coordinates of are , find the coordinates of points , and . | is a rhombus.  The coordinates of are and of are . Find the coordinates of and , and the vector . | is a regular hexagon.  and  . The coordinates of are . Find the coordinates of , and . |