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| **Vectors and Midpoints** | | | |
| **(a)** | | **(b)** | |
| In the triangle , and . is the midpoint of the line .  Express the following in terms of and : | | is a trapezium, where and . is the midpoint of and .  Express the following in terms of and : | |
| (a) | (b) | (a) | (b) |
| (c) | (d) | (c) | (d) |
| (e) | (f) | (e) | (f) |
| **(c)** | | **(d)** | |
| In the parallelogram , and .  is the midpoint of the line .  Express the following in terms of and : | | is a quadrilateral.  and .  is the midpoint of and is the midpoint of .  Express the following in terms of and : | |
| (a) | (b) | (a) | (b) |
| (c) | (d) | (c) | (d) |
| (e) | (f) | (e) | (f) |
| What do the answers to (e) and (f) tell us about the points and ? | | What do the answers to (b) and (f) tell us about vectors and ? | |