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| **Vectors and Ratio** | | | |
| **(a)** | | **(b)** | |
| In the triangle , and . The point divides the line in the ratio .  Express the following in terms of and : | | is a trapezium, where and . and splits the line in the ratio .    Express the following in terms of and : | |
| (a) | (b) | (a) | (b) |
| (c) | (d) | (c) | (d) |
| **(c)** | | **(d)** | |
| In the parallelogram , and . The point divides the line in the ratio .  Express the following in terms of and : | | is a quadrilateral.  and .  The point divides the line in the ratio . The point divides the line in the ratio  .  Express the following in terms of and : | |
| (a) | (b) | (a) | (b) |
| (c) | (d) | (c) | (d) |
| (e) | (f) | (e) | (f) |