Latex Assignment20

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Ex 12.4.3

- 1. Find area of the triangle with vertices at the point given in each of the following:
 - (i) (1,0),(6,0),(4,3)
 - (ii) (2.7), (1, 1), (10, 8)
 - (iii) (-2, -3), (3, 2), (-1, 8)
- 2. Show that points A(a, b + c), B(b, c + a), C(c, a + b) are collinear.
- 3. Find values of k if area of triangle is 4 square units and vertices are
 - (i) (k, 0), (4, 0), (0, 2)
 - (ii) (-2,0),(0,4),(0,k)
- 4. (i) Find equation of line joining (1, 2) and (3, 6) using determinants.
 - (ii) Find equation of line joining (3, 1) and (9, 3) using determinants.
- 5. If area of triangle is 35 square units with vertices (2,6), (5,-4) and (k,4). Then k is:
 - (a) 12
 - (b) -2
 - (c) -12, -2
 - (d) 12, -2