

Essential Skills 10

The skills in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed

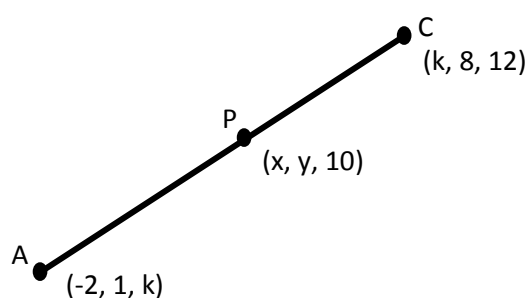


Section Formula

Find the coordinates of P on each:

1. A (5, 6, -1) and C (8, -3, 8) split in the ratio 1:2
2. A (-2, 3, 1) and C (6, -1, 13) split in the ratio 1:3
3. A (2, 5, 3) and C (5, -1, 9) split in the ratio 2:1
4. A (3, 1, 7) and C (8, 11, 12) split in the ratio 2:3
5. A (6, 4, 1) and C (-4, 19, 6) split in the ratio 1:4
6. A (-3, 2, 3) and C (-6, -4, -6) split in the ratio 1:2
7. A (7, -2, 3) and C (2, 13, 18) split in the ratio 2:3
8. A (2, 5, -10) and C (-5, 12, 4) split in the ratio 5:2
9. A (-1, -3, -5) and C (3, 1, 3) split in the ratio 3:1
10. A (-4, -2, 4) and C (2, 1, 7) split in the ratio 2:1

APPLYING QUESTION



P splits \overrightarrow{AC} in the ratio 5:2

Calculate the value of k and find the coordinates of P.

