

3-dimensional geometry

Calculate the distance between the two points using the formula:

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2 + (z_2 - z_1)^2}$$

Give your answer to **2 decimal places** if necessary

1. (0,0,0) and (3, 4, 12)

2. (4, -3, 6) and (1, 0, 17)

3. (6, 5, 4) and (10, 9, 8)

4. (1, 1, 1) and (10, 10, 10)

5. (-4, -5, -19) and (8, 3, 12)

6. (5, 5, 18) and (5, 5, -8)

7. (3, 6, 1) and (1, 6, 3)

8. (9, 6, 3) and (-9, -6, -3)