



**10.** The distance of the point  $(1, -5, 9)$  from the plane  $x - y + z = 5$  measured along the line  $x = y = z$  is:

(1)  $\frac{10}{\sqrt{3}}$

(2)  $\frac{20}{3}$

(3)  $3\sqrt{10}$

(4)  $10\sqrt{3}$

## Answer Key

1. (1)
2. (2, 4)
3. (3)
4. (2)
5. (1)

6. (1)
7. (4)
8. (2)
9. (3)
10. (4)