

### Points in Three Dimensions

**Describe the location of each point in relation to the origin.**

1)  $(4, 0, 3)$

2)  $(2, -3, 3)$

3)  $(-1, 3, 4)$

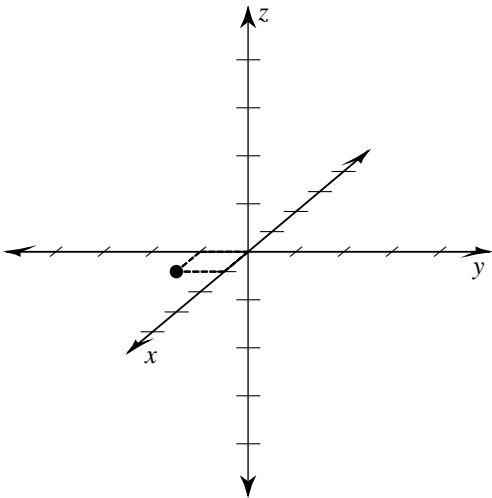
4)  $(-2, 4, 4)$

5)  $(1, -3, 4)$

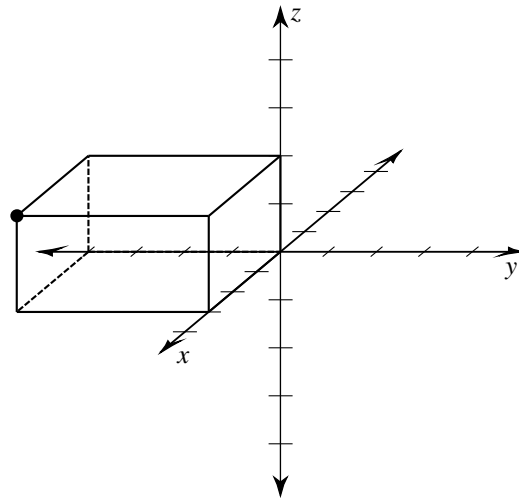
6)  $(0, -2, -4)$

**Write the coordinates of each point.**

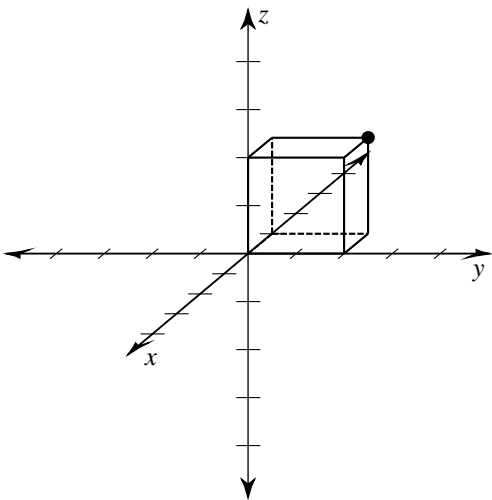
7)



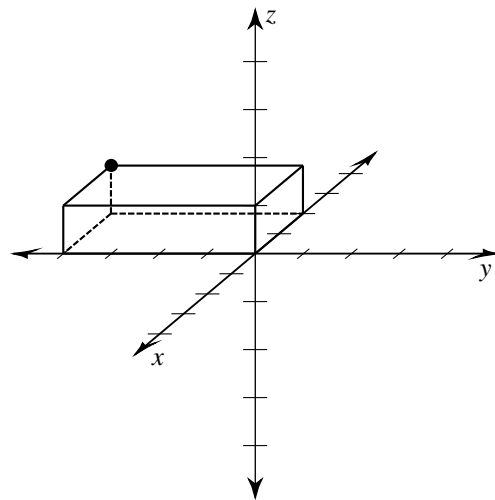
8)



9)

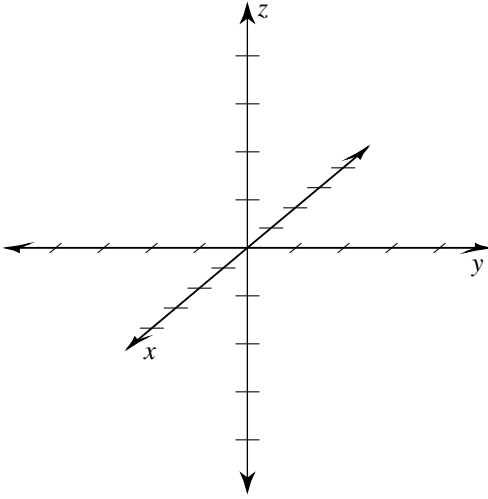


10)

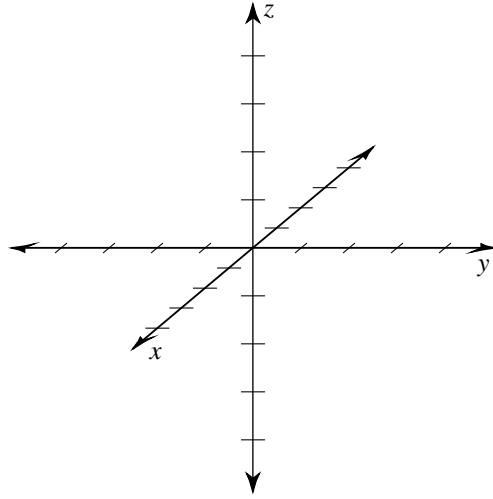


**Plot each point.**

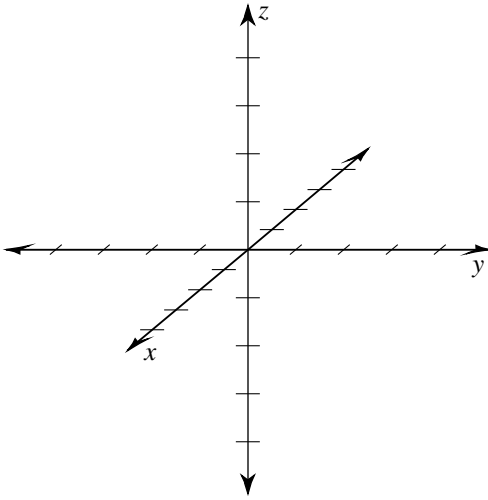
11)  $(-1, -4, -1)$



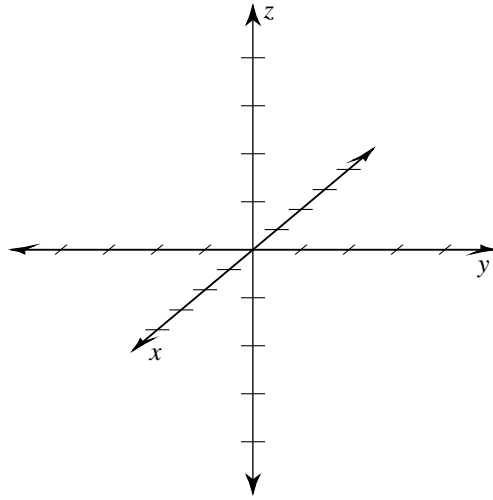
12)  $(3, -1, -1)$



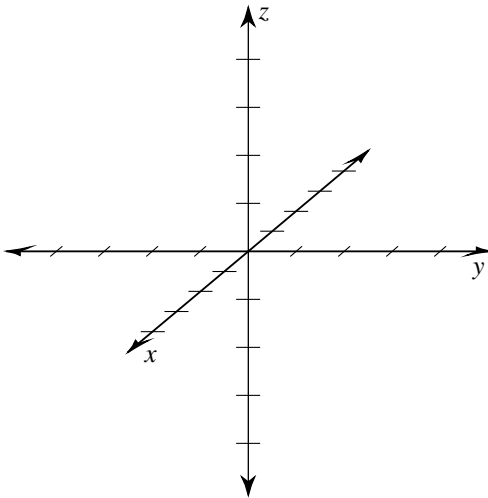
13)  $(-1, -3, 1)$



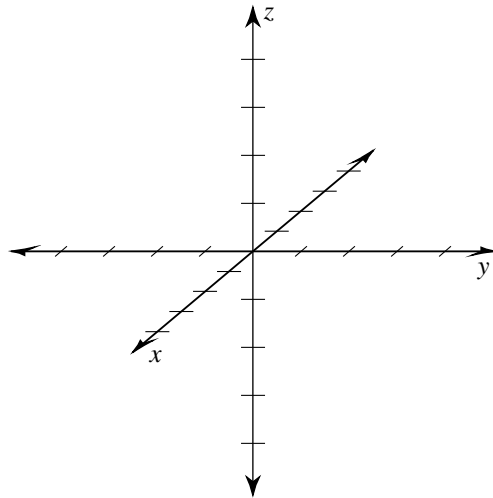
14)  $(-3, 2, -2)$



15)  $(-4, 3, 0)$



16)  $(-4, -4, 3)$



## Points in Three Dimensions

**Describe the location of each point in relation to the origin.**

1)  $(4, 0, 3)$

4 forward, 3 up

2)  $(2, -3, 3)$

2 forward, 3 left, 3 up

3)  $(-1, 3, 4)$

1 back, 3 right, 4 up

4)  $(-2, 4, 4)$

2 back, 4 right, 4 up

5)  $(1, -3, 4)$

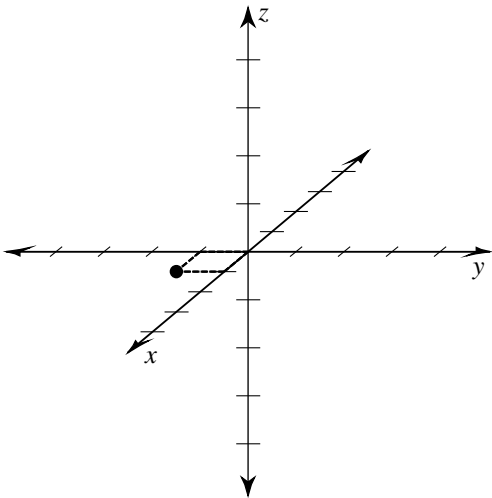
1 forward, 3 left, 4 up

6)  $(0, -2, -4)$

2 left, 4 down

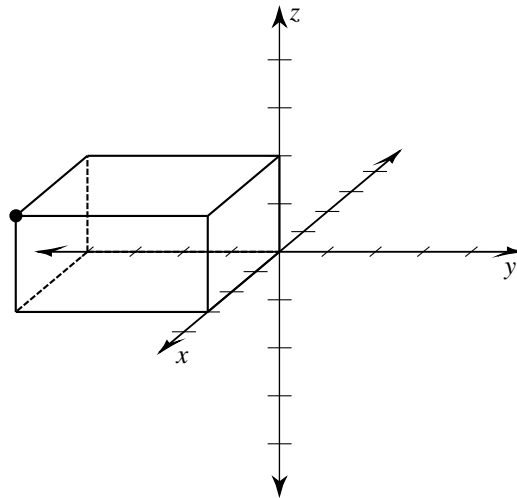
**Write the coordinates of each point.**

7)



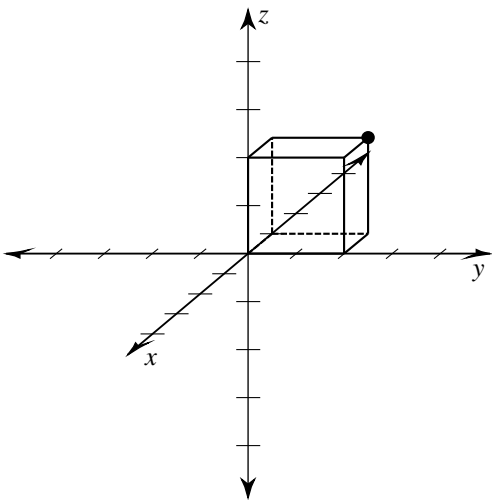
$(1, -1, 0)$

8)



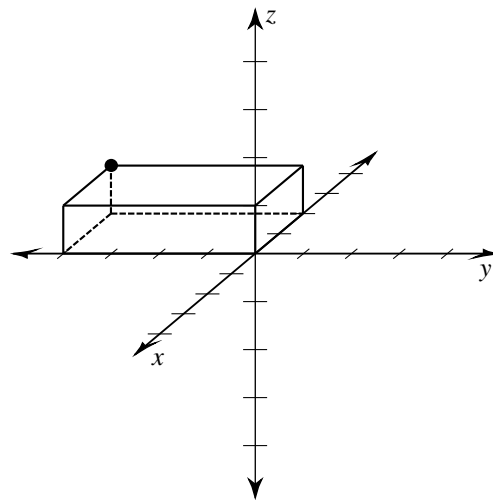
$(3, -4, 2)$

9)



$(-1, 2, 2)$

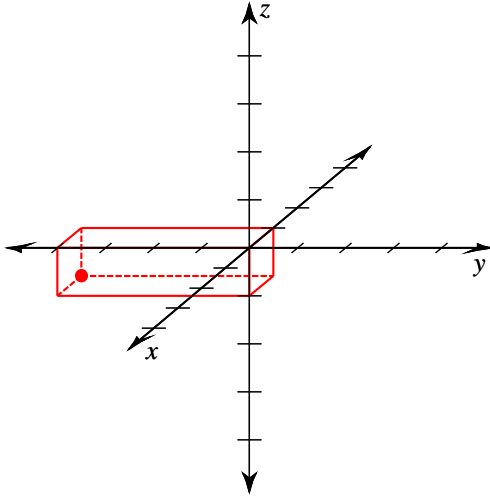
10)



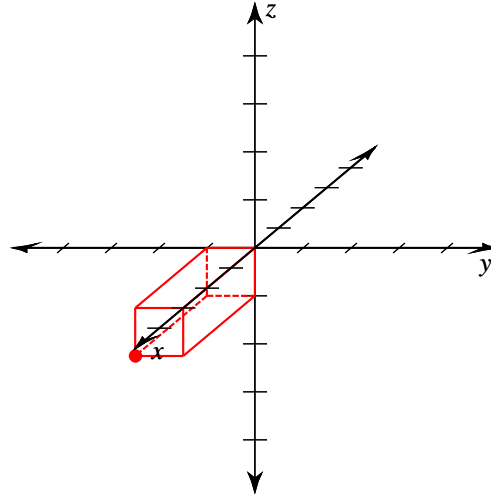
$(-2, -4, 1)$

Plot each point.

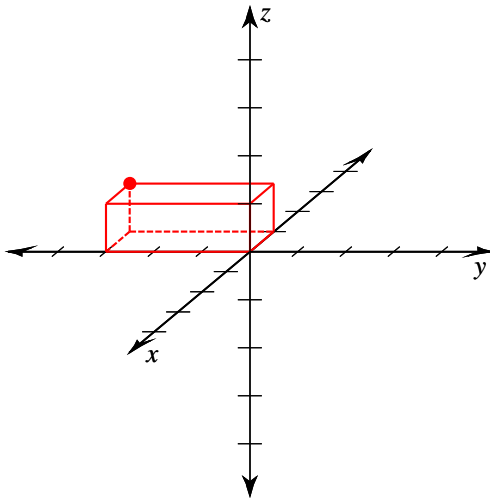
11)  $(-1, -4, -1)$



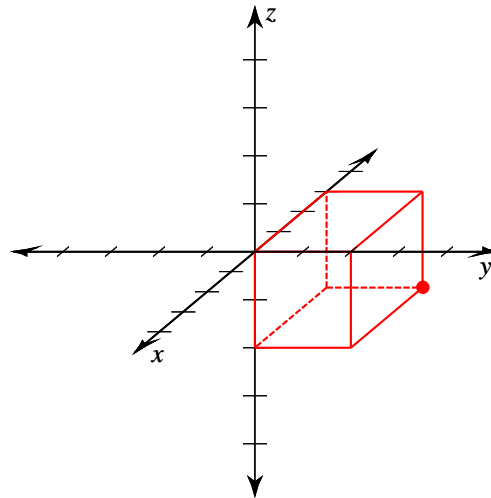
12)  $(3, -1, -1)$



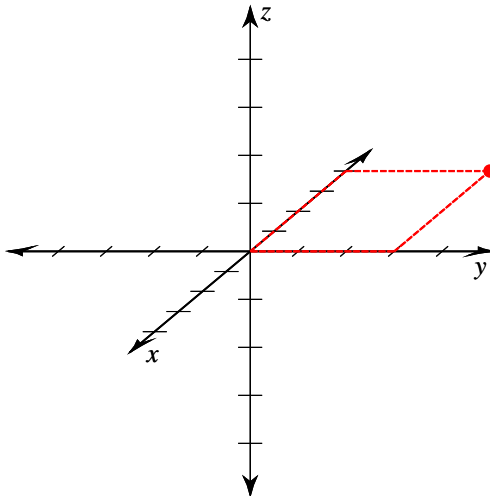
13)  $(-1, -3, 1)$



14)  $(-3, 2, -2)$



15)  $(-4, 3, 0)$



16)  $(-4, -4, 3)$

