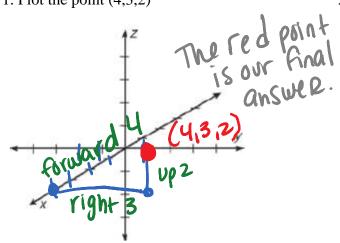
10.1-10.3 Warm-Up

1. Plot the point (4,3,2)

2. Plot the point (-1,-3,2).



- 2. Plot the point (-1,-3,2).

 Red point is

 Red point is

 Red point

 Red point

 Nis (+) in

 This direction.

 Forward.
- 3. Find the distance between the given points. Find the midpoint of the segment. (1,5,3) and (-2,7,-4)

$$d = \sqrt{(\chi_{1} - \chi_{2})^{2} + (\chi_{1} - \chi_{2})^{2}} + (Z_{1} - Z_{2})^{2}$$

$$d = \sqrt{(1 + -2)^{2} + (S_{1} - 1)^{2} + (3 + -4)^{2}} = \sqrt{3^{2} + (-2)^{2} + 1^{2}}$$

$$= \sqrt{9 + 4 + 49}$$

$$= \sqrt{2} \sqrt{1.87}$$

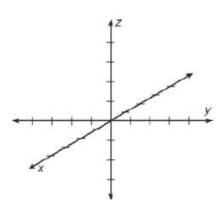
$$m(\frac{1 + -2}{2}, \frac{5 + 7}{2}, \frac{3 + -4}{2})$$

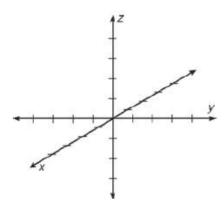
$$m(\frac{-1}{2}, \frac{6 - 1}{2})$$

10.1-10.3 Warm-Up

1. Plot the point (4,3,2)

2. Plot the point (-1,-3,2).





3. Find the distance between the given points. Find the midpoint of the segment. (1,5,3) and (-2,7,-4)