Q.3 The distance between the Anchore node can be found and is shown below.

- Distance between A and B.

$$d_{AB} = \sqrt{(4-(-1))^2 + (-2-(3))^2}$$

$$= \sqrt{(5)^2 + (-5)^2}$$

$$= \sqrt{25+25}$$

$$= \sqrt{50}$$

$$d_{AB} = 7.07$$

- Distance between A and C is

$$d_{AC} = \sqrt{(4-2)^2 + (-2-8)^2}$$

$$= \sqrt{(2)^2 + (-10)^2}$$

$$= \sqrt{4+100}$$

$$= \sqrt{104}$$

$$= 10.198$$

- Distance between A and J is

$$d_{AJ} = \sqrt{(4-10)^2 + (-2-6)^2}$$

$$= \sqrt{(-6)^2 + (-8)^2}$$

$$= \sqrt{36+64}$$