- for position (2,6) for Node B.

a) the distance from (2,5) is

$$d = \sqrt{(2-2)^2 + (5-6)^2}$$

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

$$d = 1$$

b) the distance from (3,7) is

$$d = \sqrt{(3-2)^2 + (7-6)^2}$$

$$d = \sqrt{1^2 + 1^2}$$

$$d = \sqrt{2}$$

$$d = 1.414$$

- for position (4,5) for Node B to position (3,7)

a) $$d = \sqrt{(4-3)^2 + (5-7)^2}$$

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

$$= \sqrt{1+4}$$

$$= \sqrt{5}$$

$$d = 2.236$$