

Distance Between Two Points

ACMNA214 – Assessment



Name: _____

Solutions

Score: _____

Teacher: _____



Assessment



Navigator



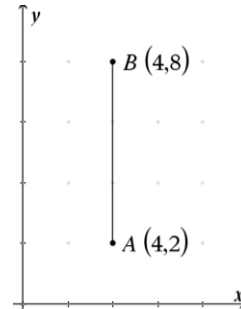
Student



30 min

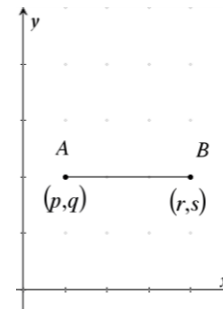
Q.1. Distance \overline{AB} is equal to:

- a) 0
- b) 2
- c) 4
- d) 6
- e) 8



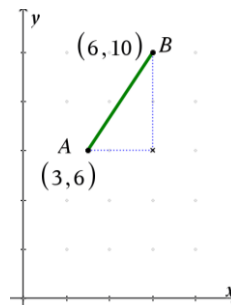
Q.2. If $q = s$ then distance \overline{AB} is equal to:

- a) $r - p$
- b) $r - s$
- c) $p - q$
- d) $s - q$
- e) $(r + s) - (p + q)$



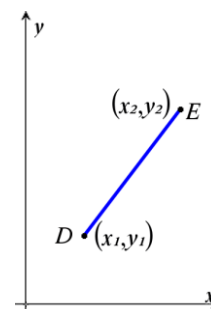
Q.3. Distance \overline{AB} is equal to:

- a) 1.25
- b) 3
- c) 4
- d) 5
- e) 25



Q.4. Distance \overline{DE} is equal to:

- a) 5.3
- b) $\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$
- c) $\sqrt{(x_2 - x_1) + (y_2 - y_1)}$
- d) $(x_2 - x_1)^2 + (y_2 - y_1)^2$
- e) $(x_2 - x_1) + (y_2 - y_1)$

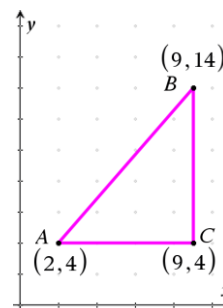


Q.5. If $A=(-3.6, 4.6)$ and $B=(-4.3, 1.5)$ then distance \overline{AB} is closest to:

- a) 3.1 b) 3.2 c) 8.2 d) 8.5 e) 10.1

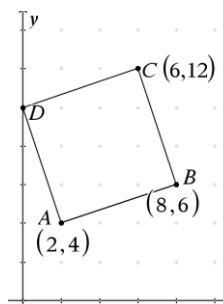
Q.6. The perimeter of $\triangle ABC$ is equal to:

- a) 12.21 b) 21.12
c) 29.21 d) $\sqrt{149}$
e) 32



Q.7. The perimeter of the square ABCD is equal to:

- a) 4 b) $\sqrt{40}$
c) 40 d) $4\sqrt{10}$
e) $8\sqrt{10}$



Q.8. The distance between point A and point B is 10 units. Point A has coordinates (0, 0); Point B has coordinates (P, 8). The value of P could be:

- a) 0 b) 2 c) 10 d) -8 e) -6

Q.9. Line \overline{AB} has a length of 5 units. Point A has coordinates (3, 2). The x coordinate of Point B could be:

- a) 6 b) 7 c) 0 d) -1 e) All of these.

Q.10. Point C has coordinates (-5,-1). Point D has coordinates (p, p-1). Distance \overline{CD} is:

- a) $\sqrt{p^2 + (p+5)^2}$ b) $\sqrt{p^2 + (p-5)^2}$ c) $2p^2$
d) $\sqrt{(2-p)^2 + (p-5)^2}$ e) $\sqrt{(2-p)^2 + (5-p)^2}$