

## Unit 1.2B Day 1 Worksheet Answers

1.  $d = \sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2}$

2.  $\left(\frac{x_1+x_2}{2}, \frac{y_1+y_2}{2}\right)$

3.  $\sqrt{205}$

4. 13

5. (-3,6)

6. (1.5, -7)

7. (-14, -14)

8. (20, 3)

9.

a.  $\sqrt{85}$

b. (1, 1.5)

10. Answers may vary

11. Answers may vary

12.

a.  $\overline{AB} = \sqrt{58}$

b.  $\overline{CD} = \sqrt{34}$

c.  $\overline{EF} = 4\sqrt{5}$

d.  $\overline{GH} = 2\sqrt{13}$

e.  $\overline{EF}$  is the longest

13. 1.27 seconds