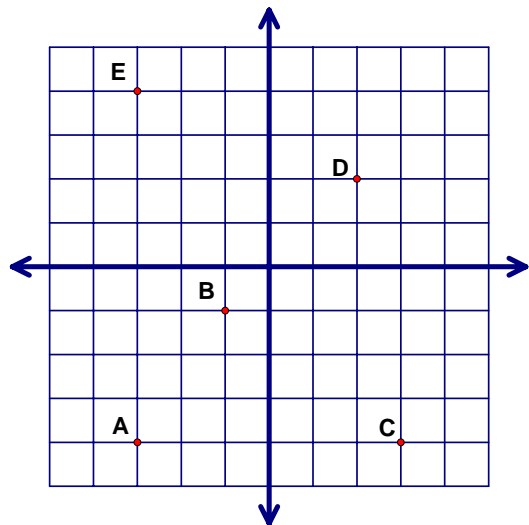


Homework 1-3 Formulas

Refer to the coordinate plane below and find the following.



1. The coordinates of A.

(_____, _____)

3. The coordinates of C.

(_____, _____)

5. The coordinates of E.

(_____, _____)

6. The slope of \overline{AB} .

7. The slope of \overline{BD} .

10. The midpoint of \overline{EA} .

2. The coordinates of B.

(_____, _____)

4. The coordinates of D.

(_____, _____)

9. The distance from D to C.

Find the slope of the line that contains the following pairs of points.

11. (0,7) and (0,0)

12. (-1,-4) and (-3,-12)

Find the midpoint of the following pairs of points.

13. (18,-2) and (4,4)

14. (5,1) and (0,-6)

Find the distance between the following pairs of points.

15. (0,0) and (0,15)

16. (-3,1) and (10,6)