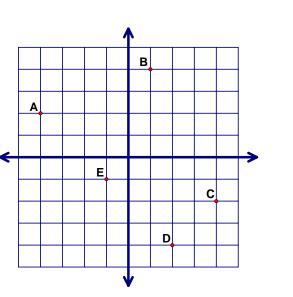**IG○** *Classwork 1-3 Formulas*

Investigating Geometry Online

Refer to the coordinate plane below and find the following.

1. The coordinates of *A*. **2.** The coordinates of *B*.

(_____ , _____) (_____ , _____)

3. The coordinates of *C*. **4.** The coordinates of *D*.

(_____ , _____) (_____ , _____)

5. The coordinates of *E*.

(_____ , _____)

6. The slope of $\overleftrightarrow{AB}$.

_____

7. The slope of $\overleftrightarrow{BD}$.

_____

9. The distance from *D* to *C*. **10.** The midpoint of $\overline{EA}$.

_____ _____

Find the slope of the line that contains the following pair of points.
11. $(-2, 0)$ and $(0, 0)$ **12.** $(-1, 4)$ and $(2, 7)$

Find the midpoint of the following pairs of points.
13. $(8, 2)$ and $(-2, 2)$ **14.** $(1, 5)$ and $(3, -6)$

Find the distance between the following pairs of points.
15. $(0, 0)$ and $(-5, 0)$ **16.** $(3, 8)$ and $(-10, -2)$

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