

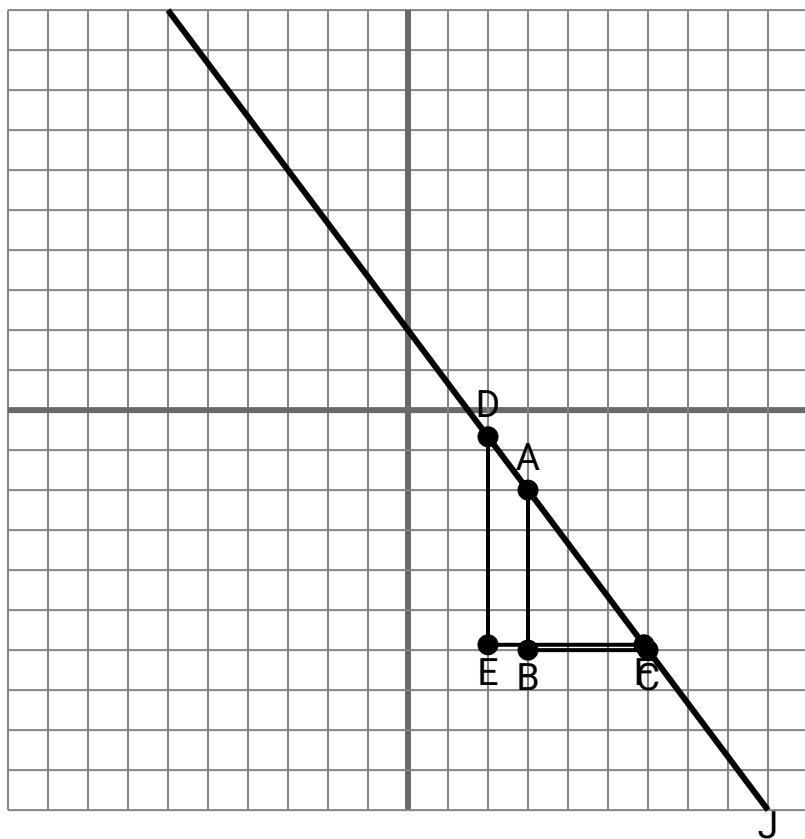


## Examining Slope Attributes

Name:

The grid below contains the triangles ABC, DEF and line J. Determine if each statement is true or false based on the information in the coordinate plane.

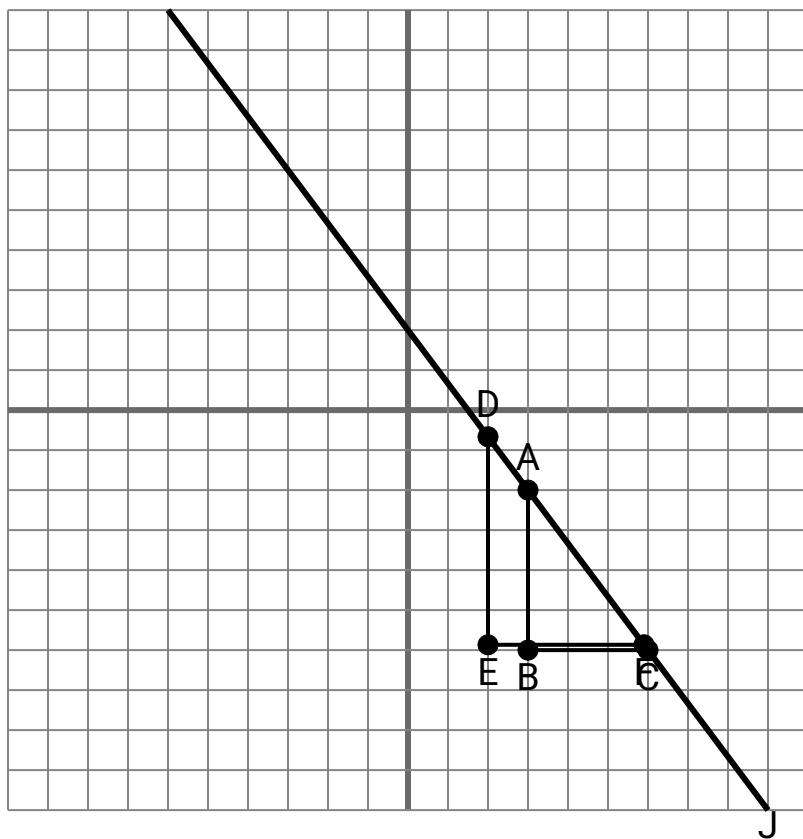
## Answers



- 1) The slope of  $\overline{AB}$  is equal to the slope of line J.
- 2) The slope of line J is equal to  $\frac{DE}{EF}$ .
- 3) The slope of  $\overline{AF}$  is equal to the slope of  $\overline{EF}$ .
- 4) The slope of  $\overline{AD}$  is equal to the slope of  $\overline{CF}$ .
- 5) The slope of  $\overline{DE}$  is equal to the slope of line J.
- 6) The slope of line J is equal to  $\frac{EF}{BC}$ .
- 7) The slope of  $\overline{AC}$  is equal to the slope of line J.
- 8) The slope of line J is equal to  $\frac{EF}{DE}$ .
- 9) The slope of  $\overline{EF}$  is equal to the slope of line J.
- 10) The slope of  $\overline{AC}$  is equal to the slope of  $\overline{DE}$ .



The grid below contains the triangles ABC, DEF and line J. Determine if each statement is true or false based on the information in the coordinate plane.

**Answers**

1. **false**
2. **true**
3. **false**
4. **true**
5. **false**
6. **false**
7. **true**
8. **false**
9. **false**
10. **false**

1) The slope of  $\overline{AB}$  is equal to the slope of line J.

2) The slope of line J is equal to  $\frac{DE}{EF}$

3) The slope of  $\overline{AF}$  is equal to the slope of  $\overline{EF}$ .

4) The slope of  $\overline{AD}$  is equal to the slope of  $\overline{CF}$ .

5) The slope of  $\overline{DE}$  is equal to the slope of line J.

6) The slope of line J is equal to  $\frac{EF}{BC}$

7) The slope of  $\overline{AC}$  is equal to the slope of line J.

8) The slope of line J is equal to  $\frac{EF}{DE}$

9) The slope of  $\overline{EF}$  is equal to the slope of line J.

10) The slope of  $\overline{AC}$  is equal to the slope of  $\overline{DE}$ .