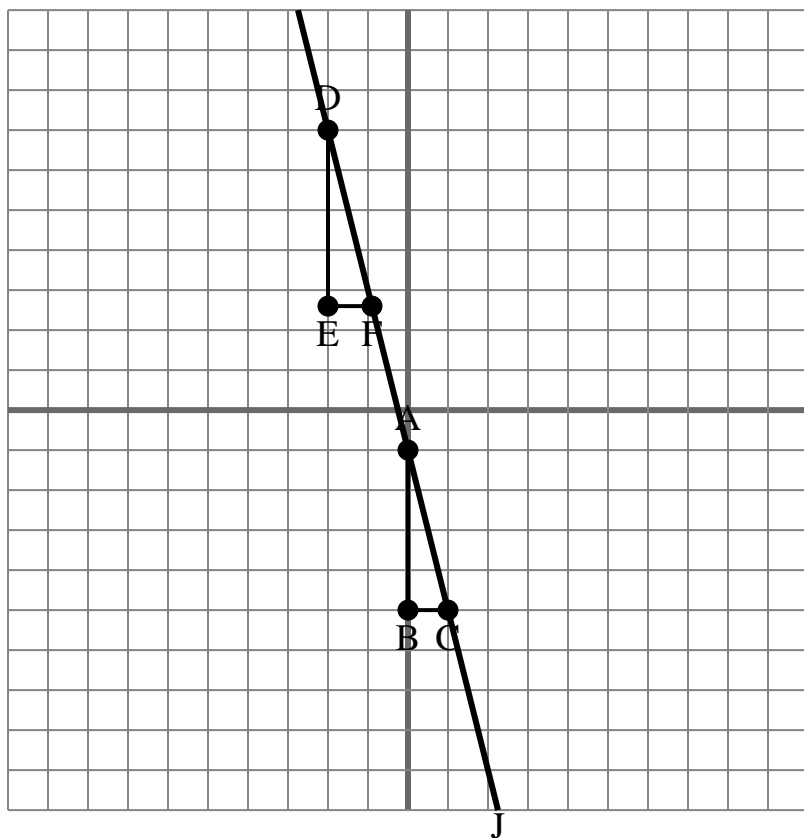Name:

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.
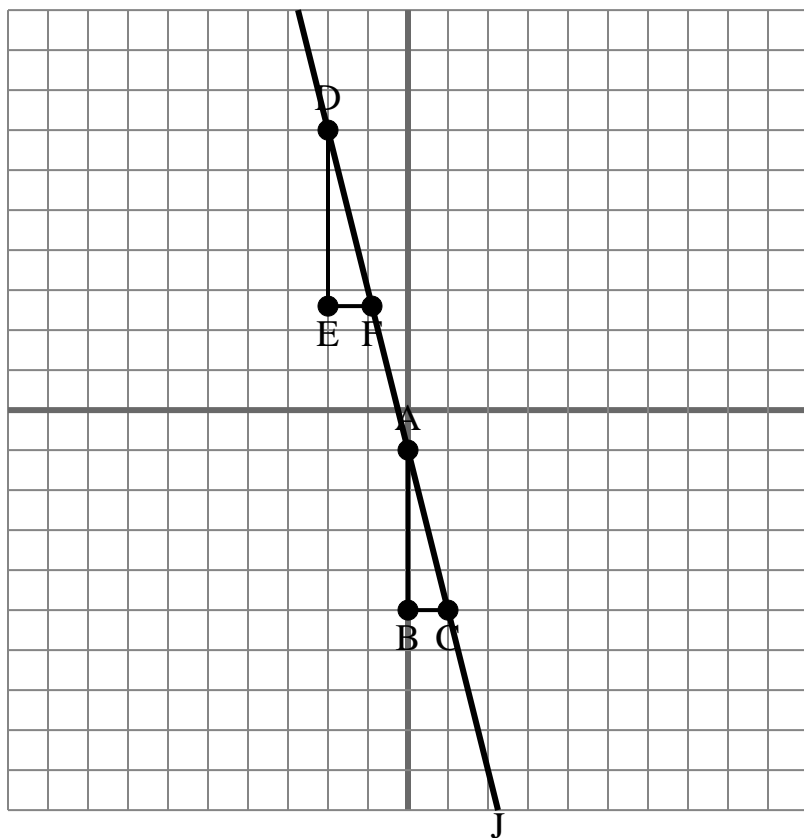
1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

2) The slope of $\overline{AF}$ is equal to the slope of $\overline{CD}$.

3) The slope of line J is equal to $^{DE}/_{EF}$

4) The slope of line J is equal to $^{BC}/_{AB}$

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

6) The slope of line J is equal to $^{EF}/_{BC}$

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

8) The slope of $\overline{AD}$ is equal to the slope of $\overline{BC}$.

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

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

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

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

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

2) The slope of $\overline{AF}$ is equal to the slope of $\overline{CD}$.

3) The slope of line J is equal to $^{DE}/_{EF}$

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1-10	90	80	70	60	50	40	30	20	10	0