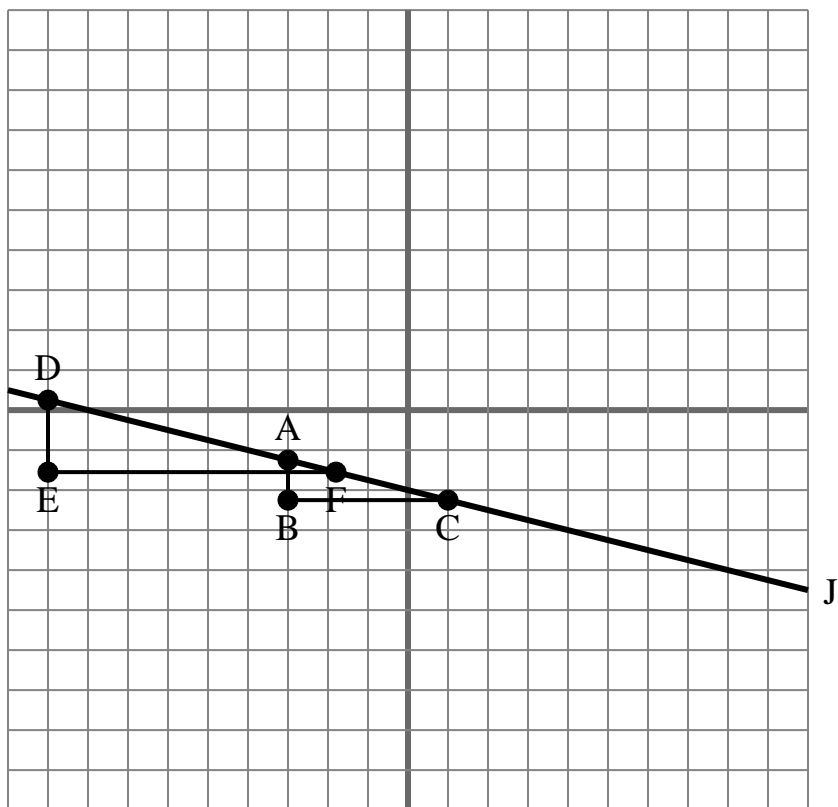Name:

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.
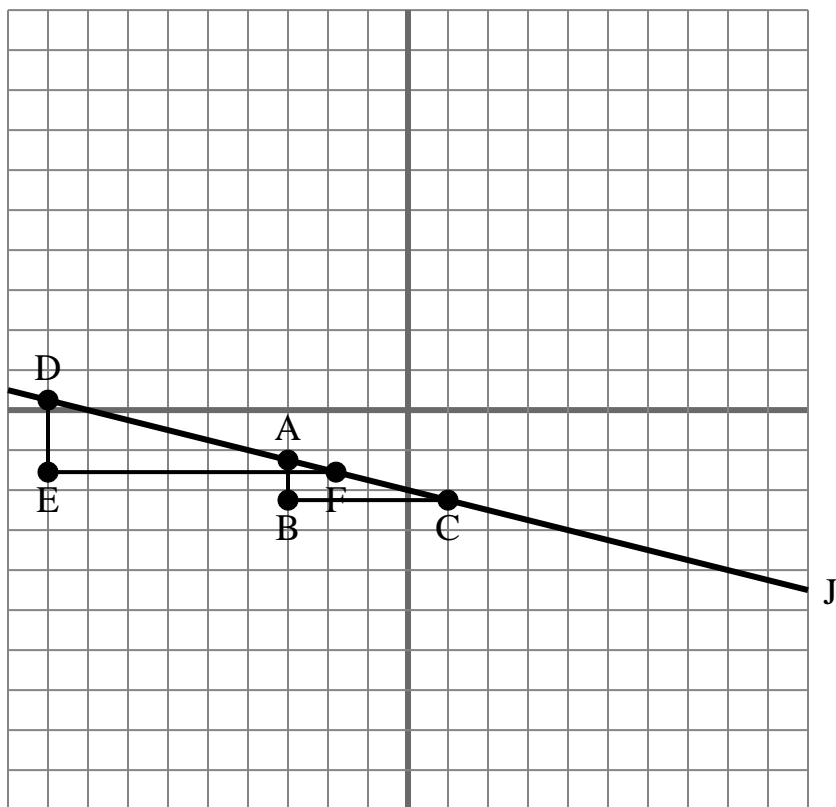
1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

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

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

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

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

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

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

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

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

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

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

Math

Name: **Answer Key**

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. **false**

5. **true**

6. **false**

7. **false**

8. **false**

9. **true**

10. **false**

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

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

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

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

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

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

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

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

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

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

Math