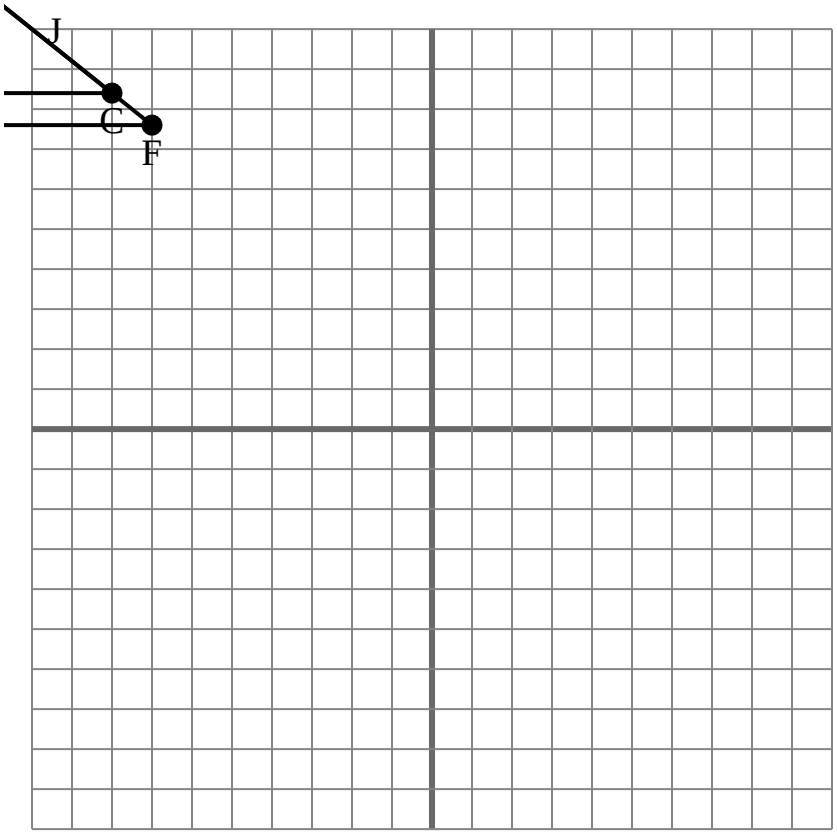
The grid below contains the triangles ABC, DEF and line J. Determine if each statement is true or false based on the information in the coordinate plane.



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

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

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

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

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

8) The slope of $\overline{AC}$ is equal to the slope of $\overline{DF}$.

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

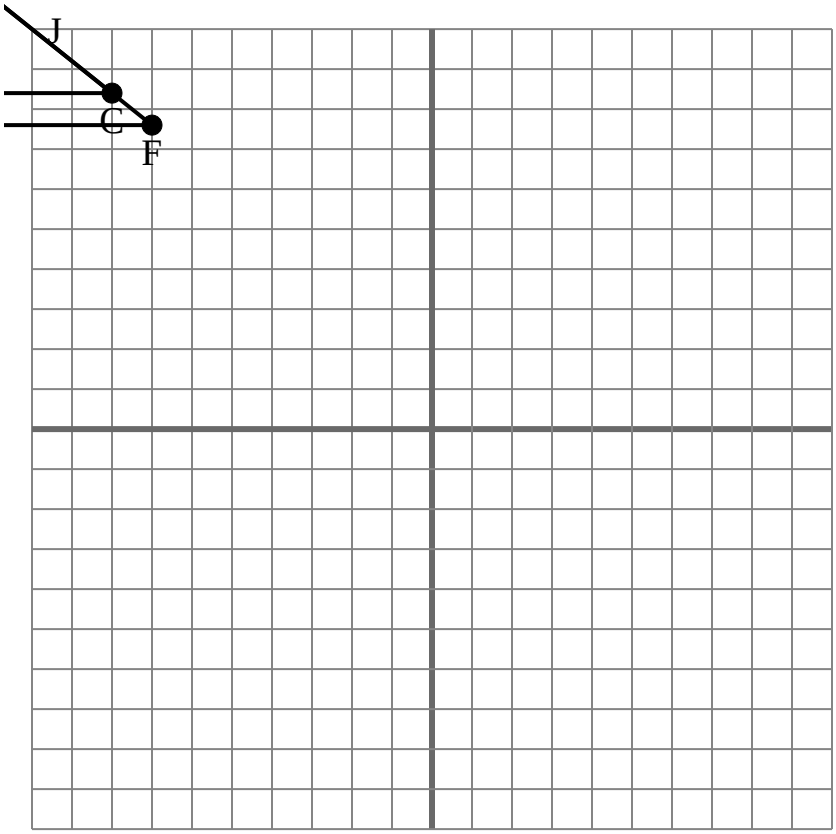
10) The slope of line J is equal to $^{AB}/_{BC}$

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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.



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

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

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

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

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

8) The slope of $\overline{AC}$ is equal to the slope of $\overline{DF}$.

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

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

Answers

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

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