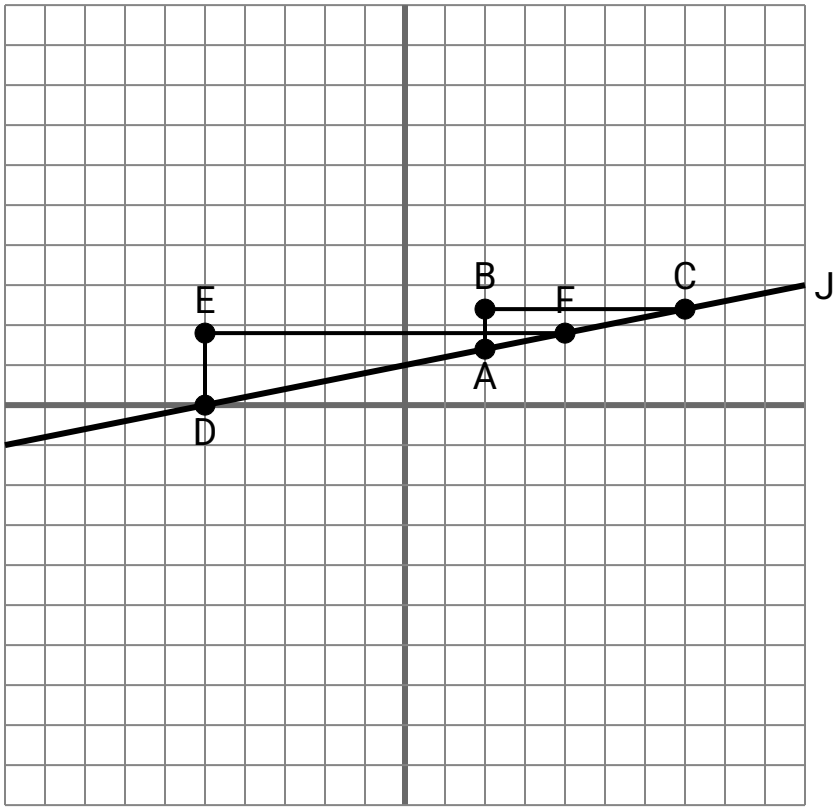
Examining Slope Attributes Name:

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.



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

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

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

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

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

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

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

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

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

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

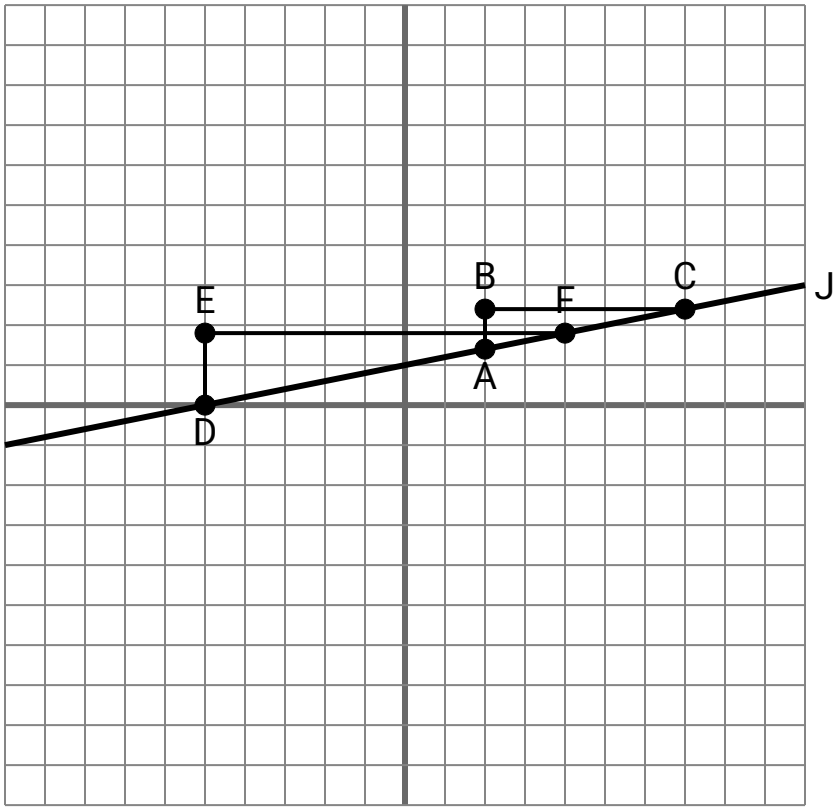
Answers

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

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

Examining Slope Attributes 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.



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

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

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

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

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

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

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

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

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

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

Answers

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

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