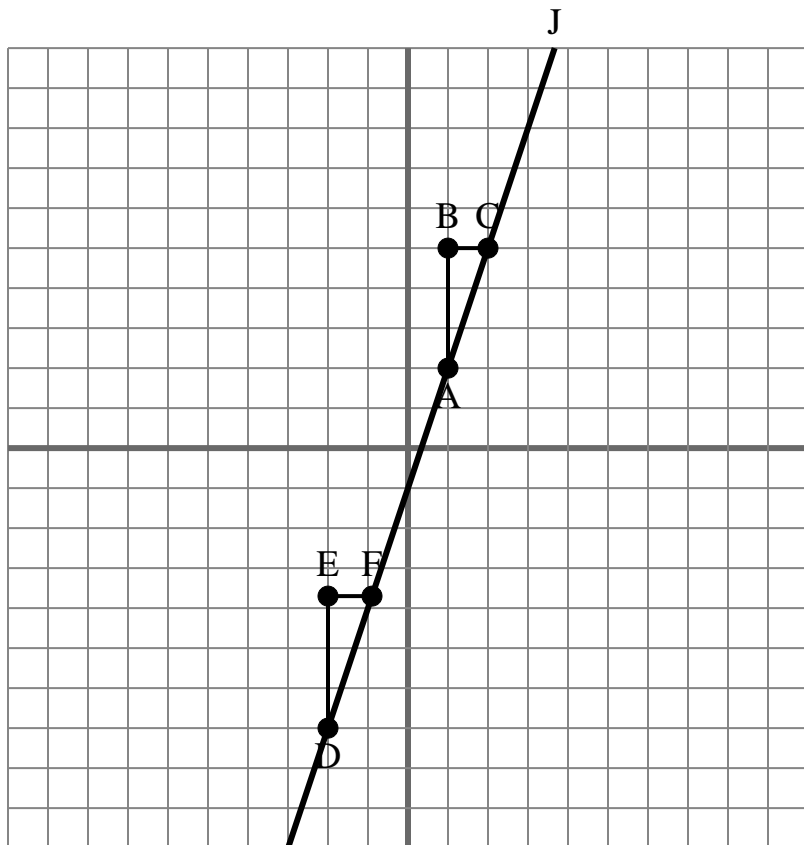**The grid below contains the triangles ABC, DEF and line J. Determine if each statement is true or false based on the information in the coordinate plane.**
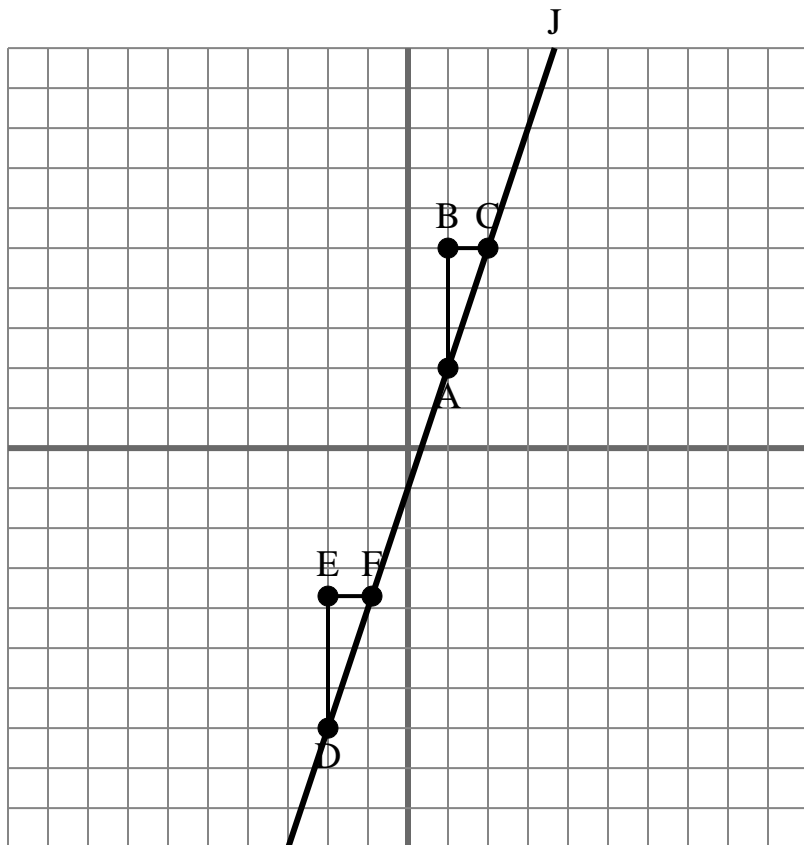
1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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

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

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

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

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

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

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

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

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

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

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

Math

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 line J is equal to EF/DE

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

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

4) The slope of line J is equal to AB/BC

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

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

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

8) The slope of line J is equal to DE/EF

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

10) The slope of line J is equal to BC/AB