



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) The slope of \overline{AD} is equal to the slope of \overline{CF} . 1. _____
- 2) The slope of \overline{AC} is equal to the slope of \overline{DE} . 2. _____
- 3) The slope of \overline{AC} is equal to the slope of \overline{DF} . 3. _____
- 4) The slope of \overline{BC} is equal to the slope of line J. 4. _____
- 5) The slope of \overline{AF} is equal to the slope of \overline{CD} . 5. _____
- 6) The slope of \overline{AF} is equal to the slope of line J. 6. _____
- 7) The slope of \overline{DE} is equal to the slope of line J. 7. _____
- 8) The slope of line J is equal to $\frac{BC}{AB}$. 8. _____
- 9) The slope of line J is equal to $\frac{DE}{EF}$. 9. _____
- 10) The slope of \overline{AC} is equal to the slope of line J. 10. _____



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- 2) The slope of \overline{AC} is equal to the slope of \overline{DE} .
- 3) The slope of \overline{AC} is equal to the slope of \overline{DF} .
- 4) The slope of \overline{BC} is equal to the slope of line J.
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- 9) The slope of line J is equal to $\frac{DE}{EF}$.
- 10) The slope of \overline{AC} is equal to the slope of line J.

Answers

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