



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



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

Answers

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