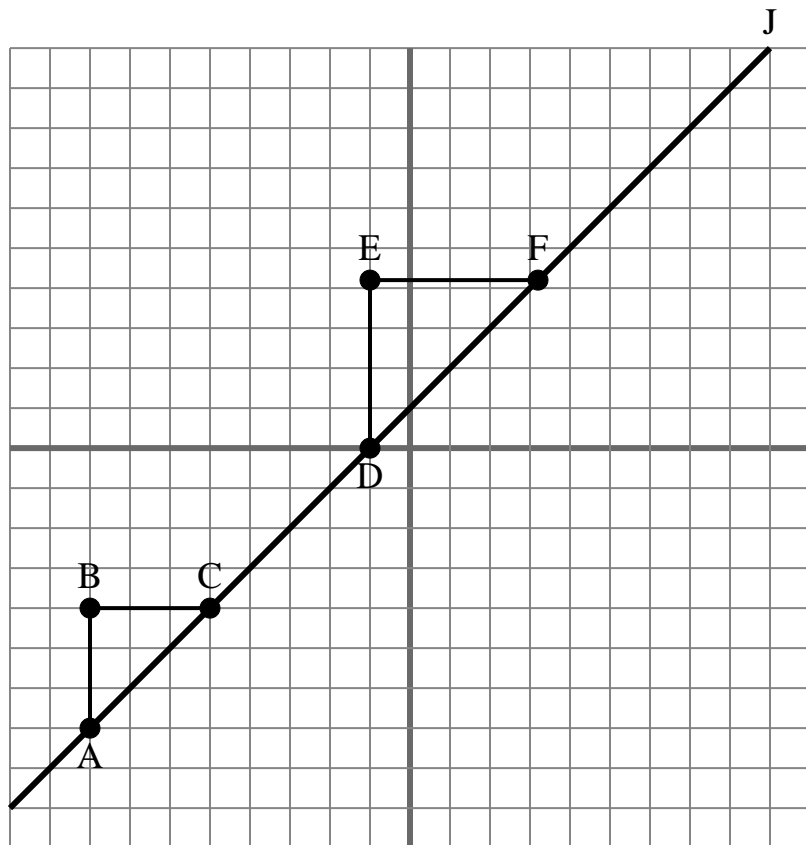




The grid below contains the triangles ABC, DEF and line J. Determine if each statement is true or false based on the information in the coordinate plane.

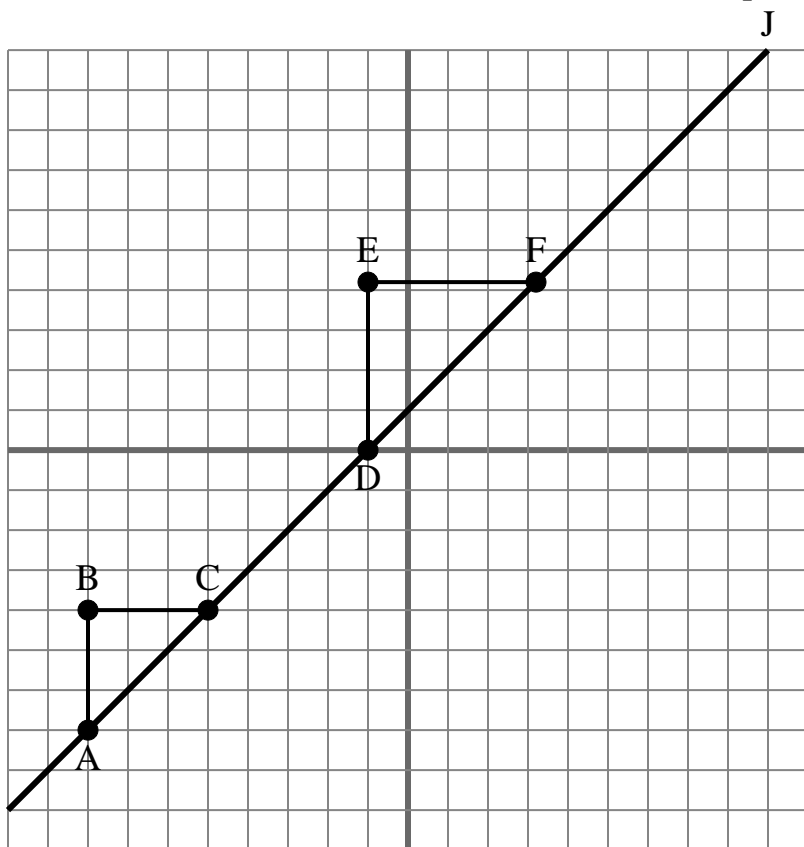
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.



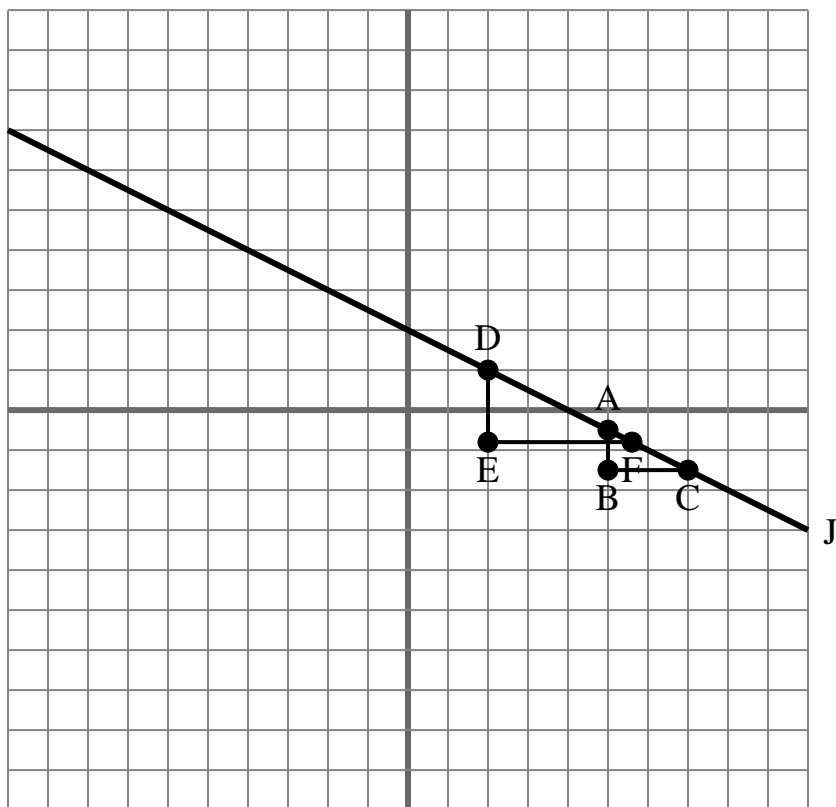
- 1) The slope of  $\overline{AD}$  is equal to the slope of  $\overline{CF}$ .
- 2) The slope of  $\overline{AC}$  is equal to the slope of line J.
- 3) The slope of  $\overline{AD}$  is equal to the slope of  $\overline{BC}$ .
- 4) The slope of  $\overline{AB}$  is equal to the slope of line J.
- 5)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

Answers

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



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.

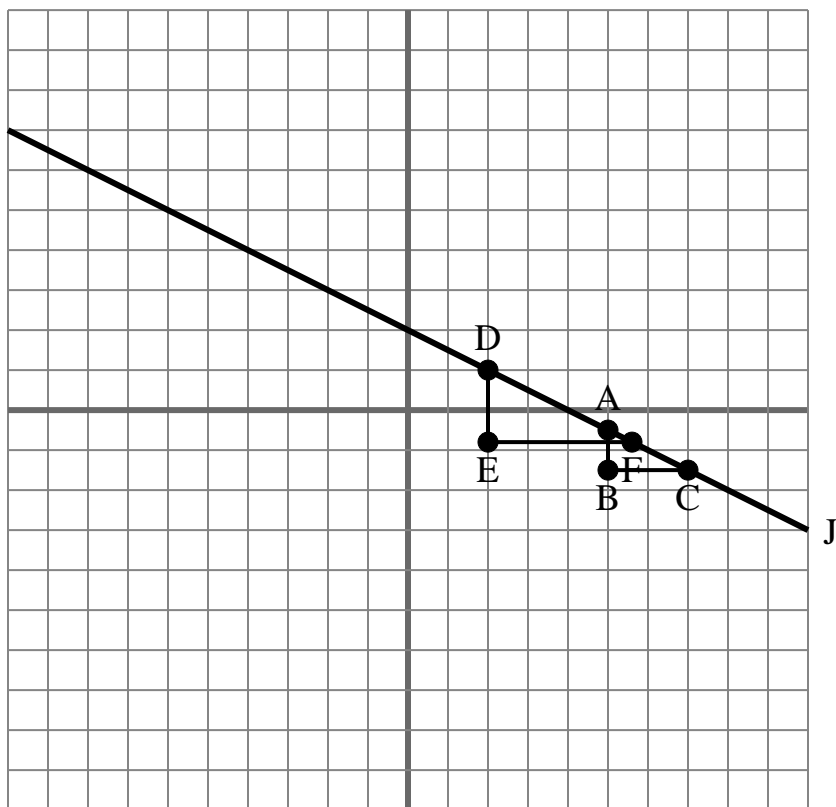
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.

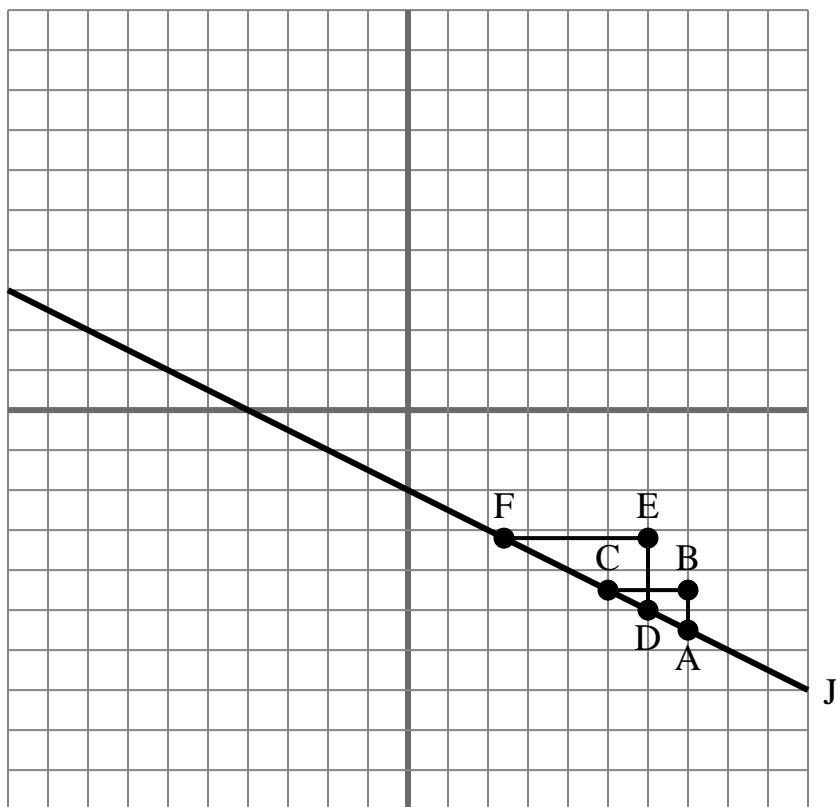
Answers

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

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



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.

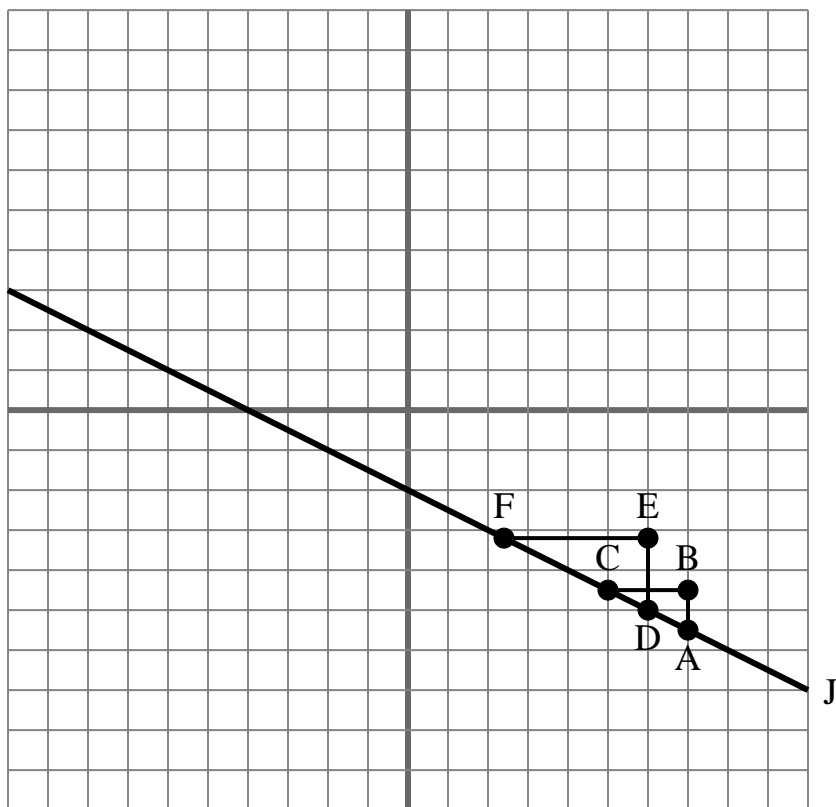
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.

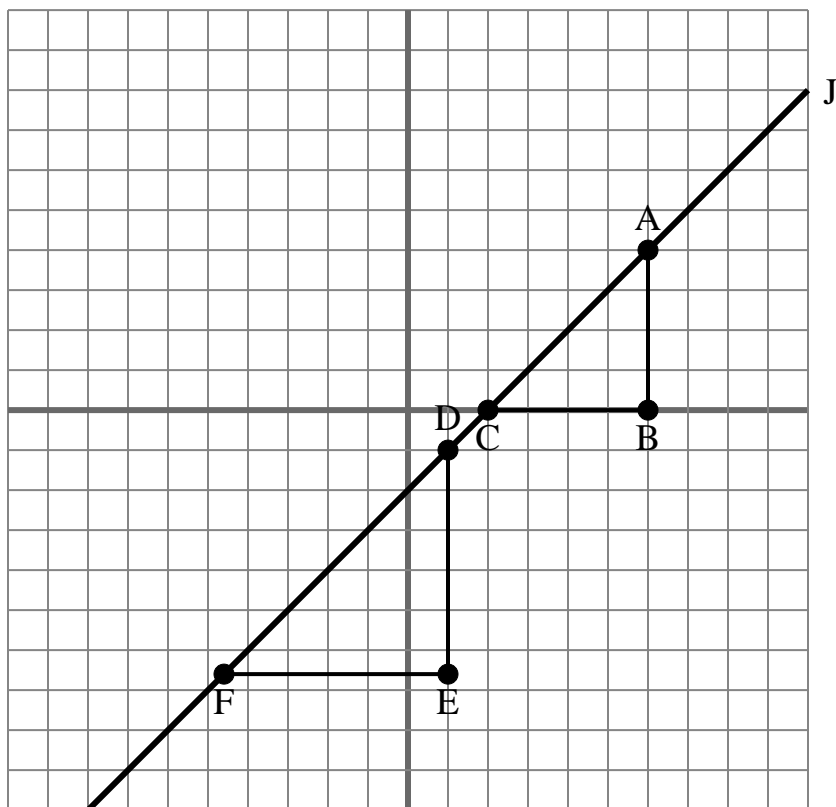
Answers

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

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



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.

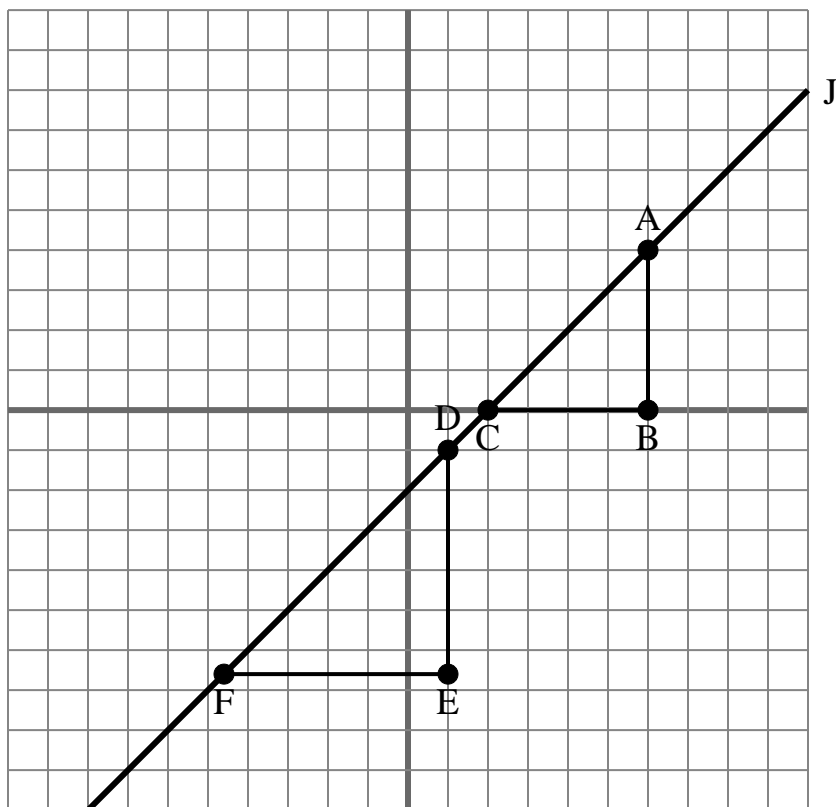
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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

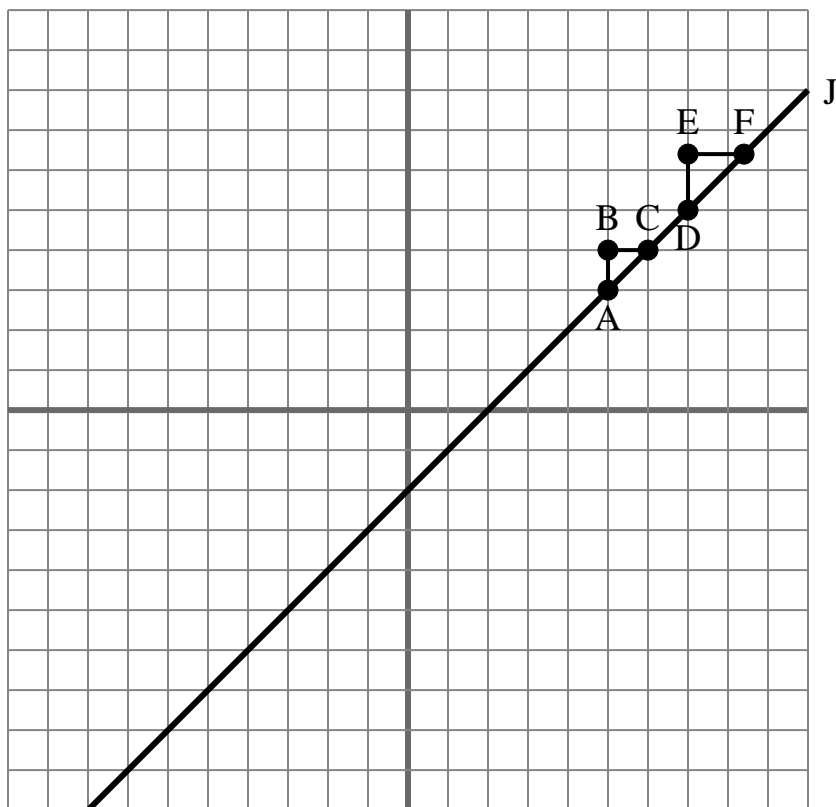
1. true
2. true
3. false
4. true
5. false
6. false
7. false
8. false
9. true
10. true

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





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.

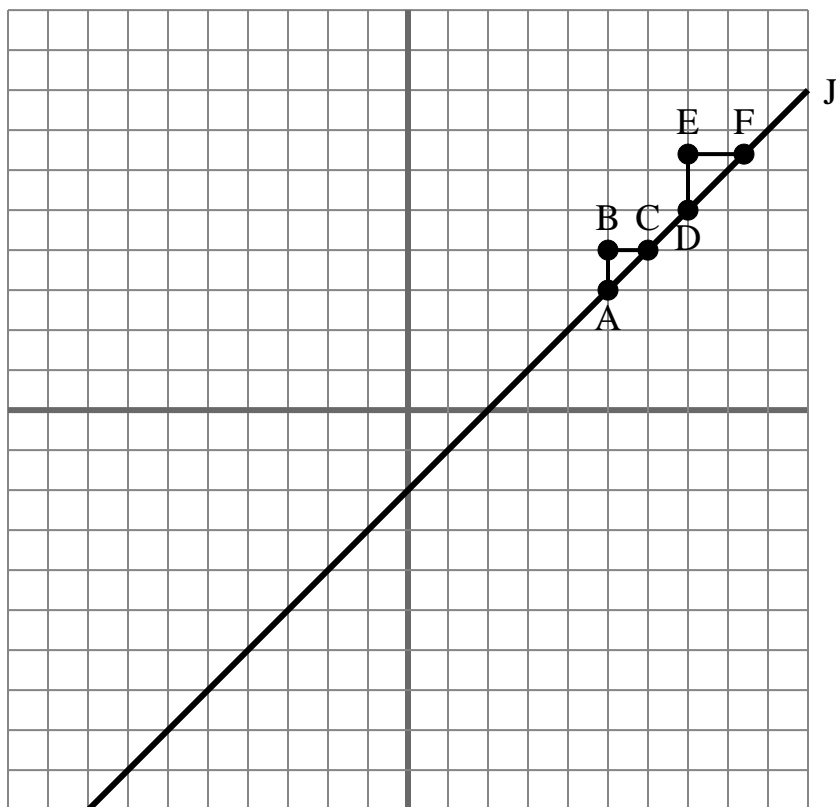
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.

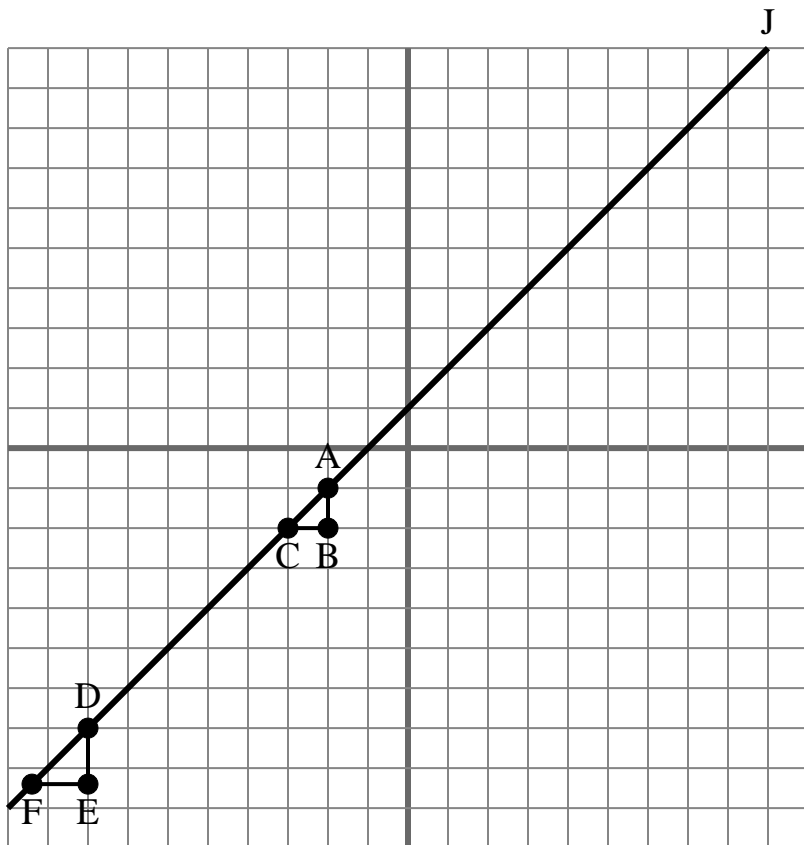
Answers

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

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



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.

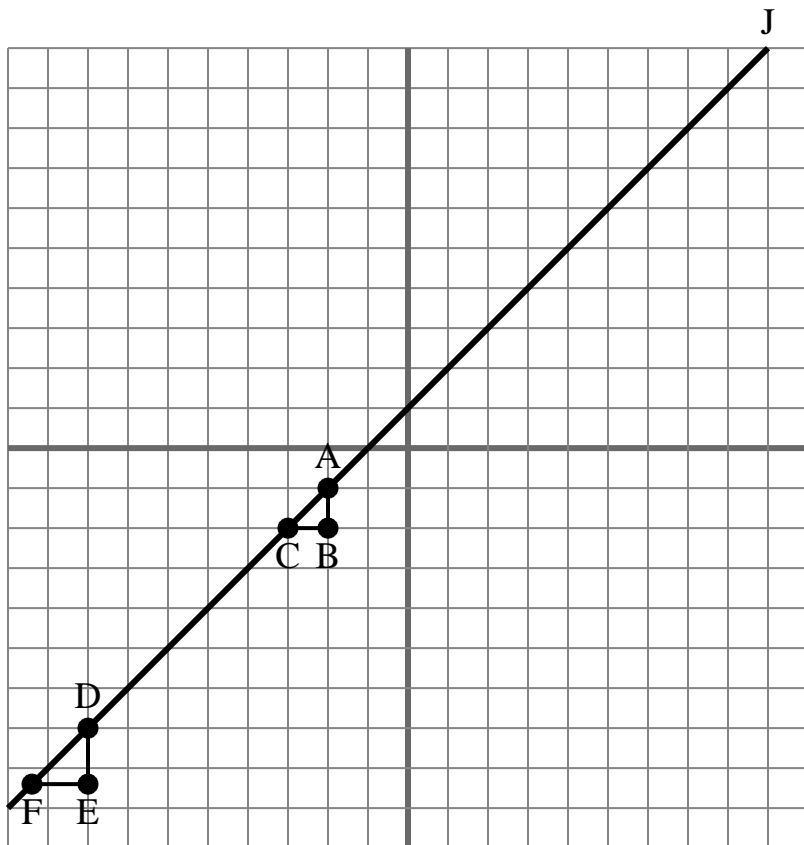
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.

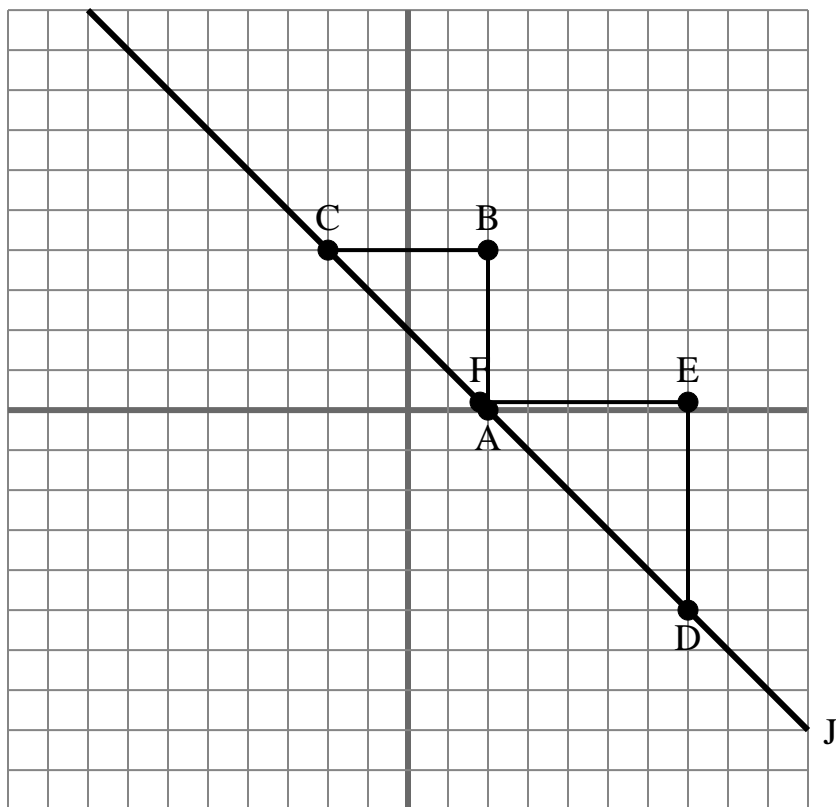
Answers

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

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



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.

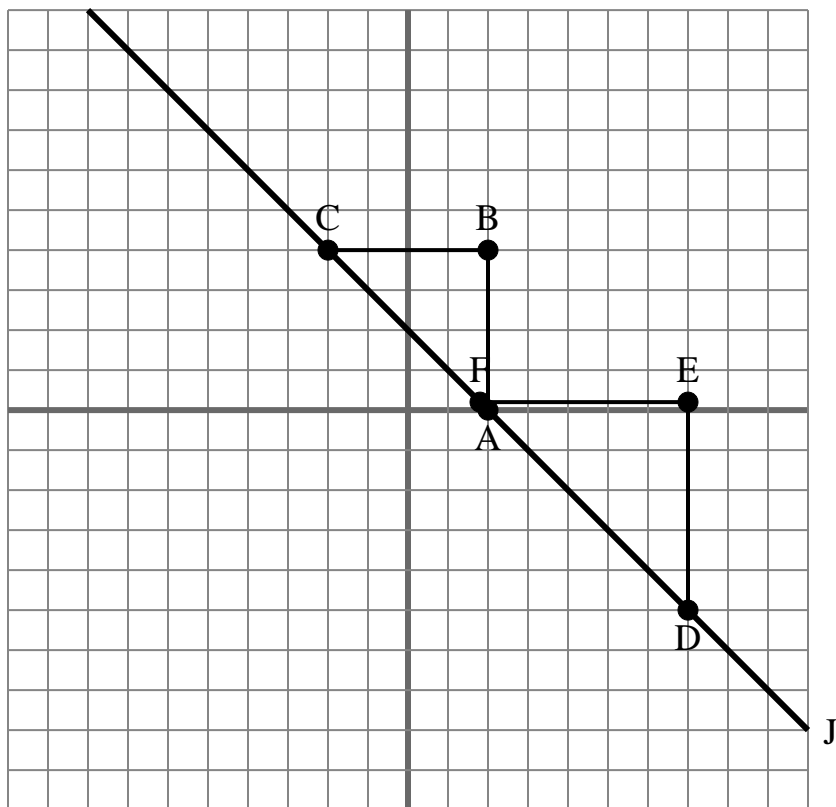
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.

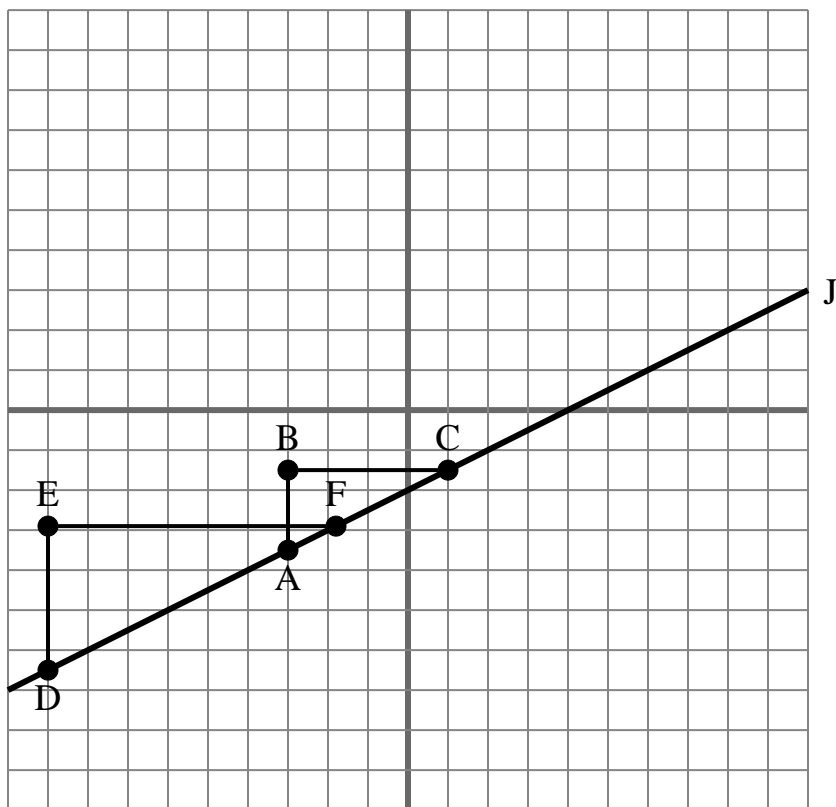
Answers

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

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



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.

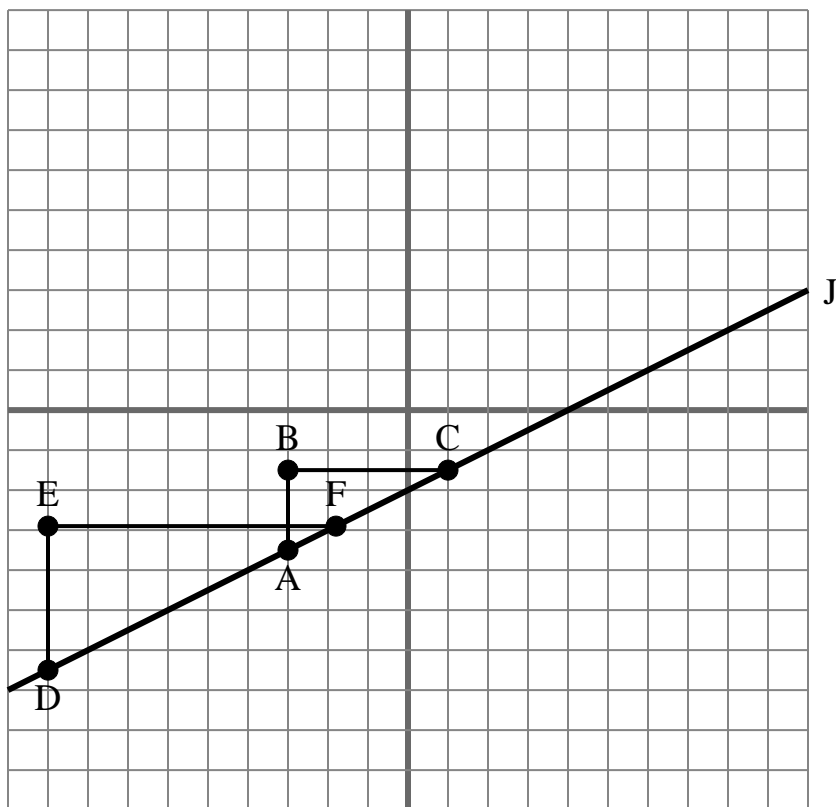
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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

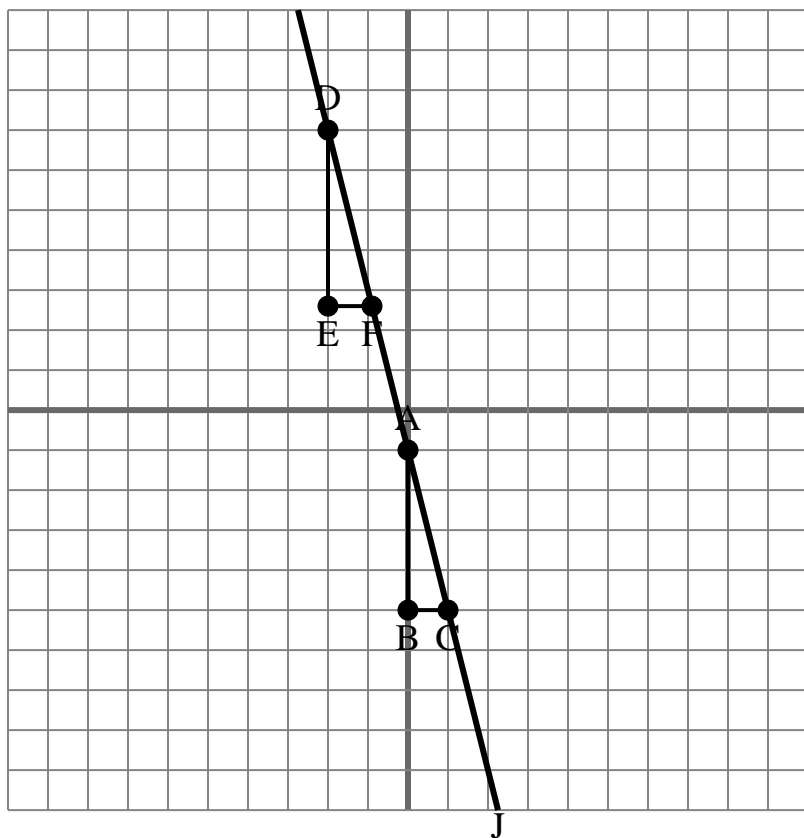
1. true
2. true
3. false
4. true
5. false
6. false
7. true
8. false
9. true
10. true

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





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.

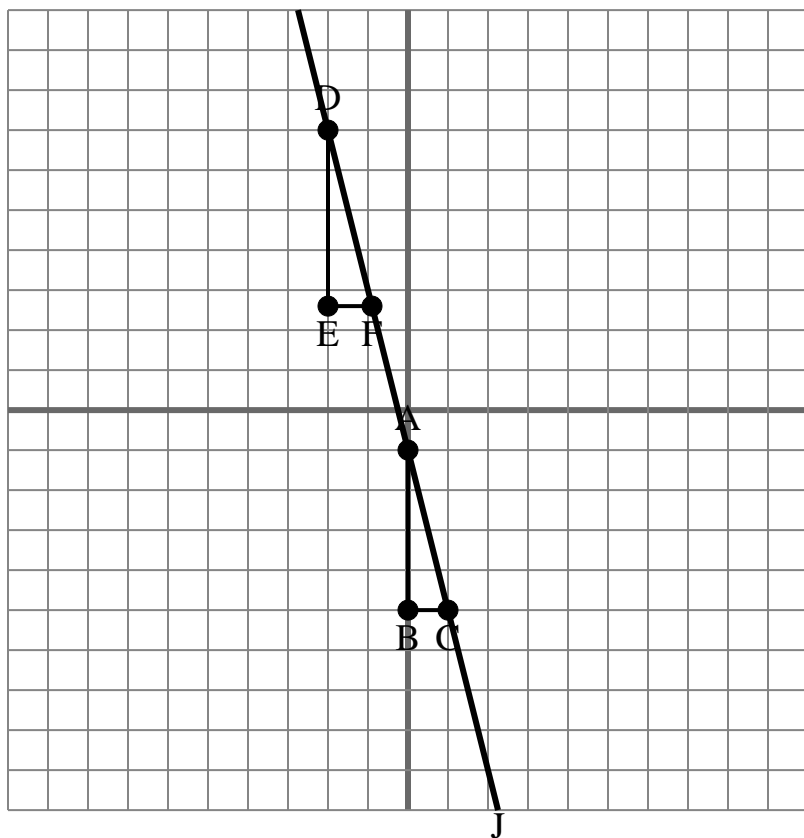
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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.

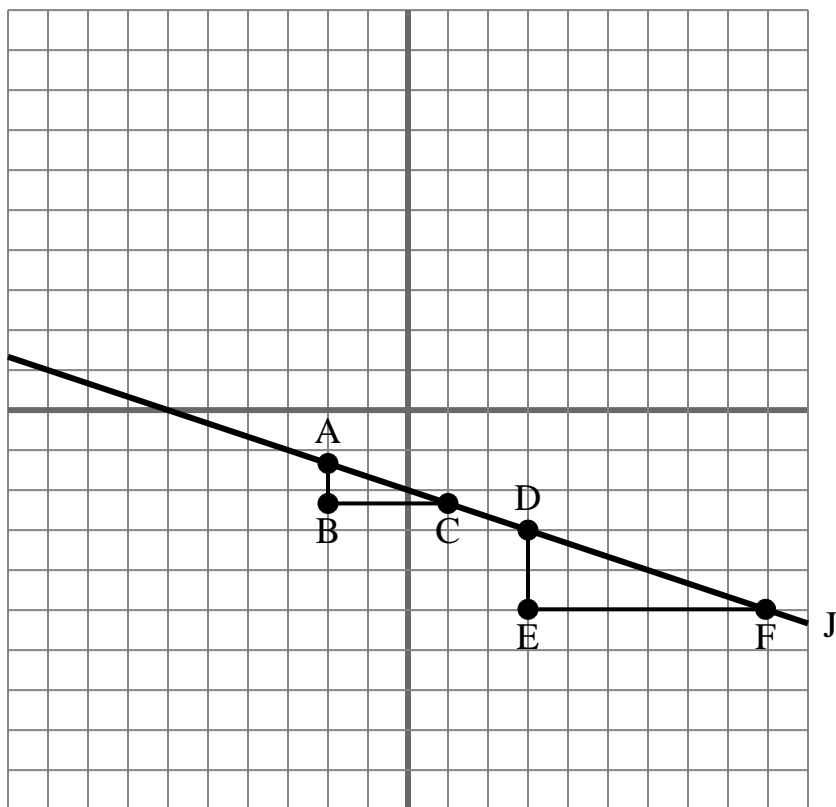
Answers

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

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



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.

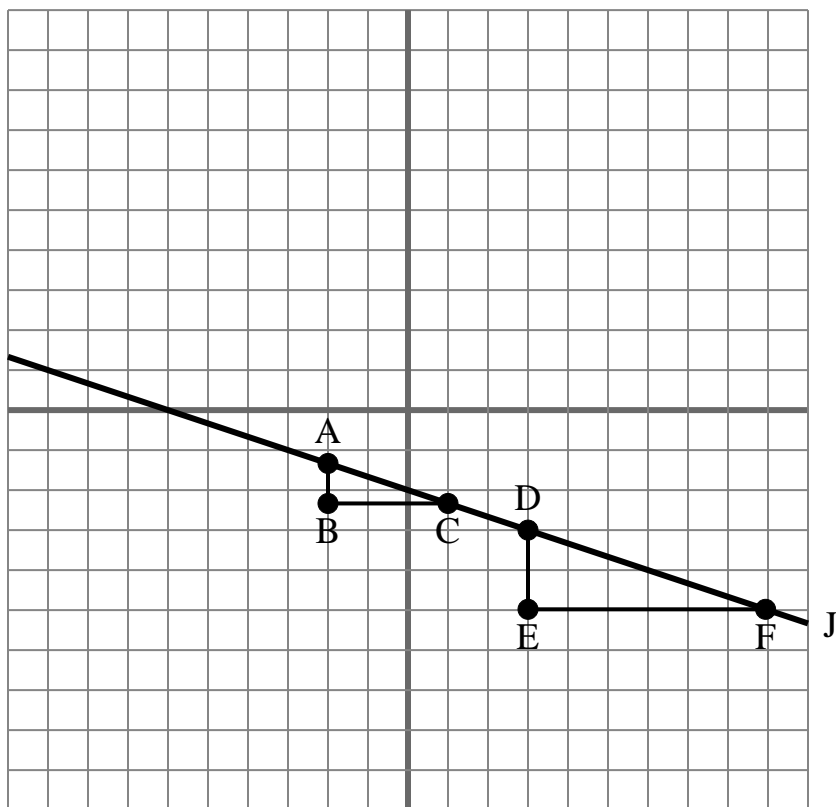
Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

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



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

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