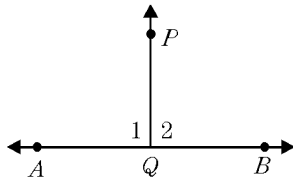


Determine whether each of the following statements is true or false.

1. $\angle 1$ and $\angle 2$ are complementary angles.

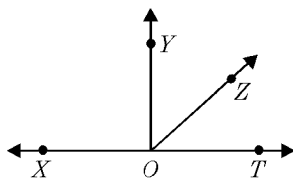


2. $\angle 1$ and $\angle 2$ are supplementary angles.

3. $\angle 1$ and $\angle 2$ form a linear pair.

4. $\angle 1$ and $\angle 2$ are vertical angles.

5. If \overleftrightarrow{XT} is perpendicular to \overleftrightarrow{OY} , then $\angle YOZ$ and $\angle ZOT$ are supplementary.

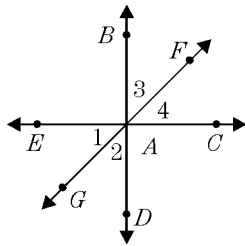


6. If \overleftrightarrow{XT} is perpendicular to \overleftrightarrow{OY} , then $\angle YOZ$ and $\angle ZOT$ are complementary.

7. $\angle XOY$ and $\angle ZOT$ form a linear pair.

8. $\angle XOZ$ and $\angle ZOT$ are supplementary.

9. $\angle 3$ and $\angle 2$ are vertical angles.



10. $\angle 3$ and $\angle 1$ are vertical angles.

11. $\angle GAB$ and $\angle BAG$ are vertical angles.

12. $\angle EAF$ and $\angle GAC$ are vertical angles.

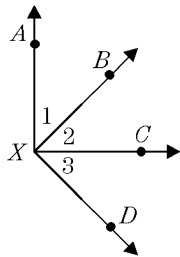
13. $\angle EAC$ must be a straight angle.

14. $\angle EAB$ must be a right angle.

15. $\angle 3$ and $\angle 4$ must be complementary.

16. $\angle 1$ and $\angle EAF$ must be supplementary.

17. $\angle AXC$ and $\angle BXD$ are adjacent.



18. $\angle 1$ and $\angle 2$ are adjacent.

19. If $\angle 1$ is complementary to both $\angle 2$ and $\angle 3$, then $\angle 2$ and $\angle 3$ must be congruent.

20. If $\angle 1$ is congruent to $\angle 2$, then $\angle 1$ and $\angle 2$ must be complementary.

1.
Answer: False
CodePath: EAS.GEO.B.B.1

2.
Answer: True
CodePath: EAS.GEO.B.B.2

3.
Answer: True
CodePath: EAS.GEO.B.B.3

4.
Answer: False
CodePath: EAS.GEO.B.B.4

5.
Answer: False
CodePath: EAS.GEO.B.B.5

6.
Answer: True
CodePath: EAS.GEO.B.B.6

7.
Answer: False
CodePath: EAS.GEO.B.B.7

8.
Answer: True
CodePath: EAS.GEO.B.B.8

9.
Answer: True
CodePath: EAS.GEO.B.B.9

10.
Answer: False
CodePath: EAS.GEO.B.B.10

11.
Answer: False
CodePath: EAS.GEO.B.B.11

12.
Answer: True
CodePath: EAS.GEO.B.B.12

13.
Answer: True
CodePath: EAS.GEO.B.B.13

14.
Answer: False
CodePath: EAS.GEO.B.B.14

15.
Answer: False
CodePath: EAS.GEO.B.B.15

16.
Answer: True
CodePath: EAS.GEO.B.B.16

17.
Answer: False
CodePath: EAS.GEO.B.B.17

18.
Answer: True
CodePath: EAS.GEO.B.B.18

19.
Answer: True
CodePath: EAS.GEO.B.B.19

20.
Answer: False
CodePath: EAS.GEO.B.B.20