

GEOMETRY (SECTION 2.3)

7. Converse : If two segments are congruent, then
(TRUE) they have the same length.
Biconditional : Two segments have the same length
if and only if they are congruent.
9. Converse : If a number is even, then it is divisible
(FALSE) by 20.
11. Converse : If it is Independence Day, then it is July 4th.
(TRUE)
Biconditional : It is the 4th of July if and only
if it is Independence Day
13. If a line bisects a segment, then the line intersects
the segment at its midpoint.
If a line intersects the segment at its midpoint, then
the line bisects a segment.
15. If you live in D.C., then you live in the capital
of the U.S.
If you live in the capital of the U.S., then you live in D.C.
17. If an angle is right, then it measures 90° .
If an angle measures 90° , then it is right.
19. A perpendicular bisector of a segment is a line, segment
or ray if and only if it is perpendicular at its midpoint.
21. A person is a Tarheel if and only if they were born
in North Carolina.
23. Not Reversible

25. No, it is not reversible.

Some endangered animals are not red wolf.

27. No, some geometric tools are not compasses.

29. Yes, all lines that form right angles are perpendicular.