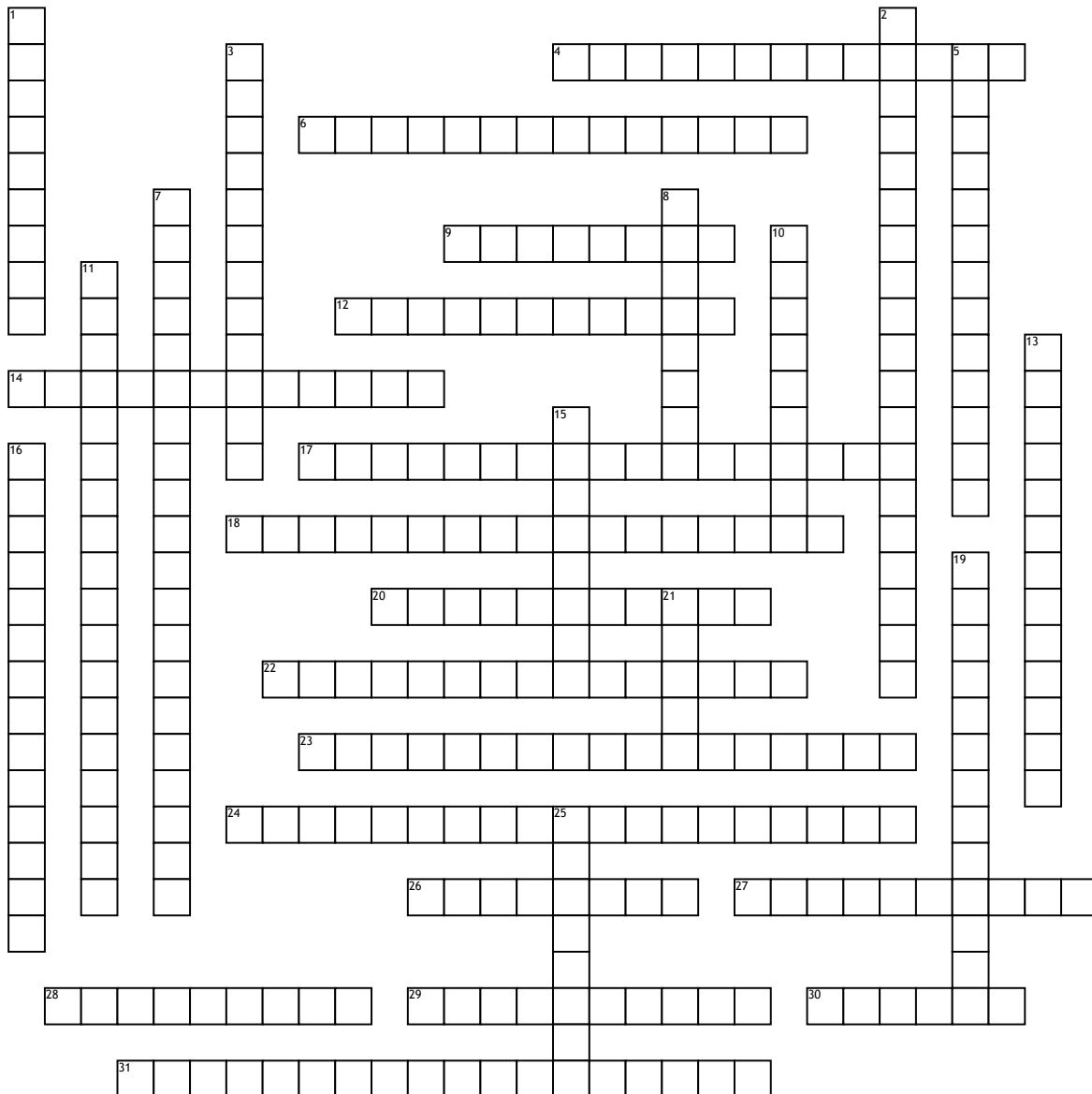Name: _____   Date: _____

First Semester Important Terms (Part 1)

Across

4. A statement that contains the phrase, "if and only if"

6. An example used to prove an if-then statement false. It is an example where the hypothesis is true and the conclusion is false

9. A line, segment, ray or plane that intersects the segment at its midpoint

12. An angle that measures between 90 and 180

14. If-Then statements which contain a hypothesis and a conclusion

17. If a=b, then b=a

18. DE = DE

20. When a point is equally distant from two other points

22. Angels that have equal mesures

23. Segments that have equal length

24. Two angles whose measures have the sum of 180

26. A statement formed when we switch the hypothesis and the conclusion of a conditional

27. An angle that measures 90

28. Points that lie on the same line

29. An angle that measures between 0 and 90

30. The common endpoint of the two rays that form an angle

31. Using facts, defintions, and accepted properties in a logical order to write a logical argument

Down

1. A statement that is accepted without proof

2. Two angles whose measures have the sum of 90

3. The set of points that are in both figures

5. The ray that divides the angle into two congruent adjacent angles

7. a(b+c) = ab + ac

8. Points that lie in the same plane

10. Two objects that have the same size and same shape

11. If a=b and b=c, then a=c

13. Two angles such that the sides of one angle are opposite rays to the sides of the other angle

15. The point that divides the segment into two congruent segments

16. Two angles in a plane that have a common vertex and a common side but no common interior points

19. An angle that measures 180

21. The figure formed by two rays that have the same endpoint

25. Statements that are proved