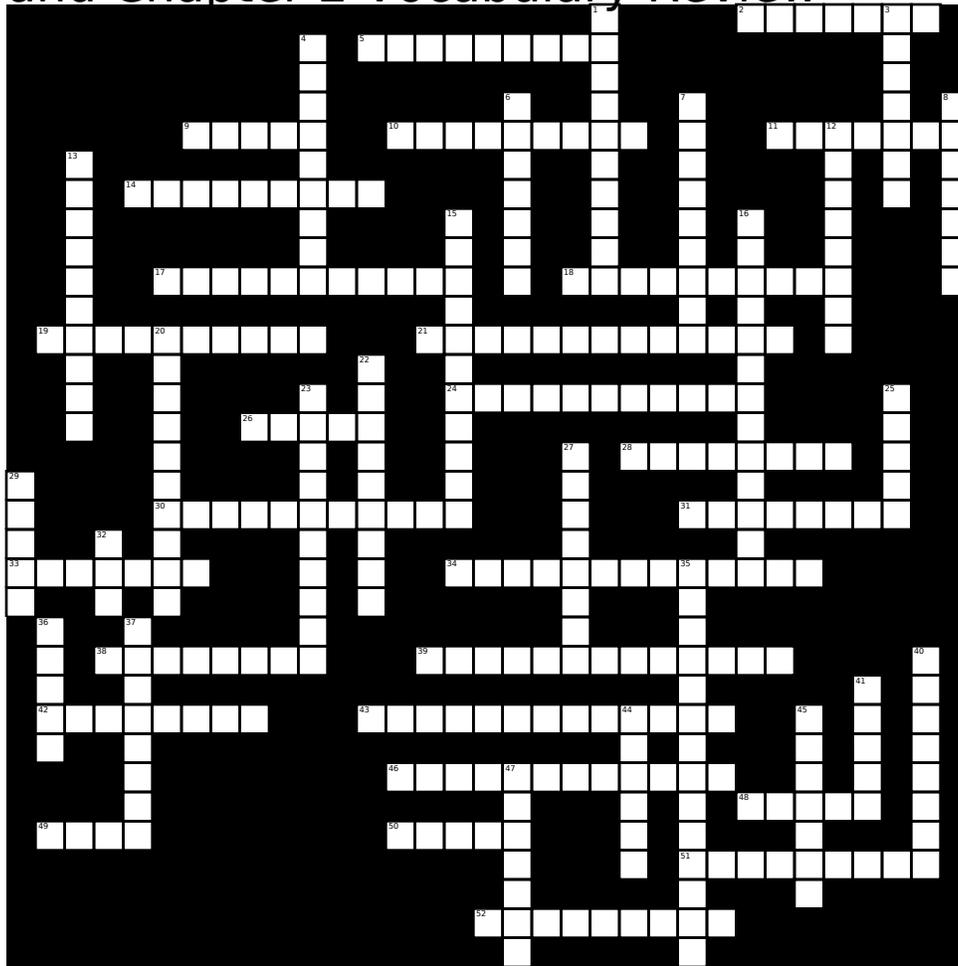


# Geometry Vocabulary Crossword Puzzle

## Hickory High School

### Chapter 1 and Chapter 2 Vocabulary Review



#### Across

- 2 A part of a line that consists of two endpoints and all points between them
- 5 Points that lie on the same line.
- 9 A figure that is formed by two rays with the same endpoint
- 10 This law allows you to state a conclusion from two true conditional statements.
- 11 A 10 sided polygon
- 14 An accepted statement of fact.
- 17 A compound statement that connects two or more statements with an "OR"
- 18 An 11 sided polygon
- 19 A law that reasons that if a statement matches the hypothesis of a conditional statement, you can make a valid conclusion.
- 21 Two angles whose measure sum to 180 degrees
- 24 An if-then statement.
- 26 A synonym for postulate.
- 28 The property of equality that allows you to add the same thing to both sides.
- 30 The property of equality that allows you to subtract the same thing from both sides.
- 31 Describes an angle exactly 180 degrees
- 33 An 8 sided polygon
- 34 Describes two lines that intersect to form right angles
- 38 A segment, point or ray that divides a figure into two equal parts
- 39 Two angles whose measures sum to 90 degrees
- 42 A 7 sided polygon
- 43 A single true statement that combines a true conditional and a true converse
- 46 A geometric figure drawn using a compass and straightedge
- 48 A flat surface is represented that extends in two opposite directions
- 49 A straight path that extends in two opposite directions
- 50 Describes an angle between 0 and 90 degrees
- 51 A type of proof with statements on the left and reasons on the right
- 52 The property of equality that states  $a=a$

#### Down

- 1 The property of equality that states if  $a=b$ ,  $b=c$ , then  $a=c$ .
- 3 A 9 sided polygon
- 4 An 12 sided polygon
- 6 A geometric tool used to draw circles and parts of circles
- 7 Describes figures with the same length
- 8 A statement that negates both the hypothesis and conclusion of a conditional.
- 12 Points and lines that lie in the same plane
- 13 The part of a conditional statement following the "if".
- 15 A compound statement that connects two or more statements with an "AND"
- 16 A 4 sided polygon
- 20 The part of a conditional statement following the "then".
- 22 The property of equality that states if  $a=b$ , then  $b=a$ .
- 23 A pair of adjacent and supplementary angles
- 25 A term indicating a location that has no size or dimension
- 27 A statement that switches the hypothesis and the conclusion of a conditional.
- 29 A convincing argument that uses deductive reasoning
- 32 A part of a line that consists of one endpoint and all points on one side of the endpoint.
- 35 A statement that negates both the hypothesis and conclusion of a conditional.
- 36 Describes an angle exactly 90 degrees
- 37 The absolute value difference of two coordinates
- 40 A 5 sided polygon
- 41 The set of all points in three directions
- 44 Describes an angle between 90 and 180 degrees
- 45 A 6 sided polygon
- 47 A conjecture that you prove true.