

Geometry Terms and Properties

Hawk Fan: _____

Match the geometric term on the left to its best definition on the right.

1. E Def. vertical \angle s theorem
2. B Def. of Supplemental \angle s
3. N Multiplication Prop. of Equality
4. S Def. of a \angle bisector
5. F Transitive

6. G Segment Addition Postulate
7. C Def. of right \angle
8. D Def. of complimentary \angle s
9. L Division Prop. of Equality

10. P Linear Pair Theorem
11. J Addition Prop. of Equality
12. H Substitution
13. I Def. of a segment bisector

14. K Simplification
15. A Reflexive
16. M Angle Addition Postulate
17. R Subtraction Prop. of Equality

- A. $mn = mn$
- B. $m\angle X + m\angle Y = 180^\circ$
- C. $m\angle J = 90^\circ$
- D. $m\angle 3 + m\angle 4 = 90^\circ$
- E. if $\angle G$ and $\angle H$ are vertical, then $\angle G \cong \angle H$
- F. if $\overline{AB} = \overline{BC}$ and $\overline{BC} = \overline{CD}$, then, $\overline{AB} = \overline{CD}$.
- G. Given A is between S and P then, $\overline{SA} + \overline{AP} = \overline{SP}$
- H. If $AB = 5$ and $AB = BC + XY$, then $5 = \overline{BC} + \overline{XY}$
- I. If \overline{GJ} is bisected at H , then $\overline{GH} \cong \overline{HJ}$
- J. If $a = b$, then $a + c = b + c$
- K. If $11 = 2x + 3x$ then $11 = 5x$
- L. $\frac{a}{c} = \frac{b}{c}$
If $a = b$, then $\frac{a}{c} = \frac{b}{c}$
- M. Given $\angle AJK$ with interior point L, then $m\angle AJL + m\angle LJK = m\angle AJK$
- N. If $a = b$, then $ac = bc$
- O. $\overline{HA} \cong \overline{WK}$
- P. two adjacent angles added together to create a straight angle (180°)
- Q. $ab = ba$
- R. If $a = b$, then $a - c = b - c$
- S. If $\angle M$ is bisected to create $\angle N$ and $\angle P$, then $m\angle N = m\angle P$