

Quiz 3.2: Postulates and Theorems

Multiple Choice: Choose the letter that corresponds to the correct answer. Write the answer in your answer sheet.

- What does the acronym TIAT stand for?
A. Triangle Interior Angle Theorem
B. Triangle Internal Angle Theorem
C. Triangle Interior Alternate Theorem
D. Triangle Internal Alternate Theorem
- What is the meaning of the acronym PIAT?
A. Parallel Internal Angle Theorem
B. Parallel Interior Angle Theorem
C. Polygon Internal Angle Theorem
D. Polygon Interior Angle Theorem
- Statements that are proved from definitions or using operations and facts that were already known are called:
A. Axioms
B. Postulates
C. Proofs
D. Theorems
- Which theorem states that the sum of the degree measures of the angles of a triangle is 180° ?
A. Quadrilateral Interior Angle Theorem
B. Supplement Postulate
C. Supplement Theorem
D. Triangle Interior Angle Theorem
- Which of the following theorems states the congruence of vertical angles?
A. Complement Theorem
B. Right Angles Congruency Theorem
C. Third Angles Theorem
D. Vertical Angle Theorem
- Which of the following theorems states that any two right angles are congruent?
A. Complement Theorem
B. Right Angles Congruency Theorem
C. Third Angles Theorem
D. Vertical Angle Theorem
- "If two angles form a linear pair, then they are supplementary." This is stated in:
A. Complement Theorem
B. PCAC Postulate
C. Supplement Postulate
D. Supplement Theorem
- Provide the reason for this statement: "If $m\angle J + m\angle K = 90^\circ$ and $m\angle K + m\angle L = 90^\circ$, then $\angle J \cong \angle L$."
A. Complement Theorem
B. PCAC Postulate
C. Supplement Postulate
D. Supplement Theorem
- Provide the reason for this statement: "If $\angle X$ and $\angle Y$ are vertical angles, then $\angle X \cong \angle Y$."
A. Complement Theorem
B. Right Angles Congruency Theorem
C. Third Angles Theorem
D. Vertical Angle Theorem
- "If $\angle M$ and $\angle N$ form a linear pair, then $\angle M$ and $\angle N$ are supplementary." This statement is justified by:
A. Complement Theorem
B. PCAC Postulate
C. Supplement Postulate
D. Supplement Theorem
- The exterior angle of a triangle can be solved using:
A. Exterior Angles Theorem
B. PAIC Theorem
C. Supplement Theorem
D. Vertical Angle Theorem
- Which of the following theorems may be used to solve the third angle of a triangle?
A. Complement Theorem
B. Right Angles Congruency Theorem
C. Third Angles Theorem
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