	Quiz 4.4: Proving Properti	es of Parallel Lines Cut by a Transversal	
Multi	ple Choice: Choose the letter that corresponds to the corre	ect answer. Write the answer in your answer sheet.	
1.	"If two parallel lines are cut by a transversal, then the a	ternate interior angles are congruent." This is sta	ted in:
	A. Alternate Interior Angles theorem	C. Consecutive Exterior Angles theorem	
	B. Consecutive Interior Angles theorem	D. Corresponding Angles Postulate	
2.	Which theorem states that if two parallel lines are cut by a transversal, then the same-side exterior angles are supplementations are cut by a transversal.		
	A. Alternate Interior Angles theorem	C. Consecutive Exterior Angles theorem	
	B. Consecutive Interior Angles theorem	D. Corresponding Angles Postulate	
3.	"If two parallel lines are cut by a transversal, then the co	orresponding angles are congruent." This is stated	in:
	A. Alternate Interior Angles theorem	C. Consecutive Exterior Angles theorem	
	B. Consecutive Interior Angles theorem	D. Corresponding Angles Postulate	
4.	Which theorem states that if two parallel lines are cut by a transversal, then the same-side interior angles are supplementary		
	A. Alternate Interior Angles theorem	C. Consecutive Exterior Angles theorem	
	B. Consecutive Interior Angles theorem	D. Corresponding Angles Postulate	
5.	Given: t is a transversal and $\ell \parallel m$, which reason makes t	he statement $\angle 1\cong \angle 5$ true?	$ \begin{array}{c c} & 1 & 1 \\ \hline & 3 & 4 \\ \hline & 5 & 6 \\ \hline & 7 & 8 \end{array} $
	A. Given	C. Transitive Property	
	B. Corresponding Angles postulate	D. Vertical Angles theorem	
6.	6. Based on the figure, which reason makes the statement $\angle 7\cong \angle 6$ true?		$\begin{array}{c} \begin{array}{c} 1 \\ \hline 3 \\ \hline 5 \\ \hline 7 \\ 8 \end{array}$
	A. Given	C. Transitive Property	
	B. Corresponding Angles postulate	D. Vertical Angles theorem	
7.	7. Given: t is a transversal and $\ell \parallel$ m, which reason makes the statement $\angle 3 \cong \angle 7$ true?		$\begin{array}{c} & & \frac{1}{2} \\ & \frac{3}{4} \\ & \frac{5}{6} \\ & \frac{5}{8} \end{array}$
	A. Given	C. Transitive Property	
	B. Corresponding Angles postulate	D. Vertical Angles theorem	
8.	8. Based on the figure, if $\angle 3\cong \angle 7$ and $\angle 7\cong \angle 6$, then $\angle 3\cong \angle 6$. Which reason makes this statement true?		$ \begin{array}{c c} & 1 & 2 \\ \hline & 3 & 4 \\ \hline & 5 & 6 \\ \hline & 7 & 8 \end{array} $
	A. Given	C. Transitive Property	
	B. Corresponding Angles postulate	D. Vertical Angles theorem	
9.	9. Based on the figure, $\angle 7$ and $\angle 5$ form a linear pair. How do we know this is true?		$ \begin{array}{c c} & 1 \\ & 3 \\ & 3 \\ & 5 \\ \hline & 7 \\ & 8 \end{array} $
	A. Corresponding Angles postulate	C. Law of Substitution	
	B. Definition of Linear Pair	D. Linear Pair Postulate	
			t,

Quiz 4.4: Proving Properties of Parallel Lines Cut by a Transversal

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

- 1. "If two parallel lines are cut by a transversal, then the alternate interior angles are congruent." This is stated in:
 - A. Alternate Interior Angles theorem C. Consecutive Exterior Angles theorem
 - B. Consecutive Interior Angles theorem D. Corresponding Angles Postulate
- 2. Which theorem states that if two parallel lines are cut by a transversal, then the same-side exterior angles are supplementary?
- A. Alternate Interior Angles theorem
- C. Consecutive Exterior Angles theorem

B. Consecutive Interior Angles theorem

- D. Corresponding Angles Postulate
- 3. "If two parallel lines are cut by a transversal, then the corresponding angles are congruent." This is stated in:
- A. Alternate Interior Angles theorem

C. Consecutive Exterior Angles theorem

B. Consecutive Interior Angles theorem

- D. Corresponding Angles Postulate
- 4. Which theorem states that if two parallel lines are cut by a transversal, then the same-side interior angles are supplementary?
 - A. Alternate Interior Angles theorem

C. Consecutive Exterior Angles theorem

B. Consecutive Interior Angles theorem

- D. Corresponding Angles Postulate
- 5. Given: t is a transversal and $\ell \parallel m$, which reason makes the statement $\angle 1 \cong \angle 5$ true?



A. Given

C. Transitive Property

B. Corresponding Angles postulate

- D. Vertical Angles theorem
- 6. Based on the figure, which reason makes the statement $\angle 7 \cong \angle 6$ true?



A. Given

C. Transitive Property

B. Corresponding Angles postulate

- D. Vertical Angles theorem
- 7. Given: t is a transversal and $\ell \parallel m$, which reason makes the statement $\angle 3 \cong \angle 7$ true?



A. Given

C. Transitive Property

B. Corresponding Angles postulate

- D. Vertical Angles theorem
- 8. Based on the figure, if $\angle 3 \cong \angle 7$ and $\angle 7 \cong \angle 6$, then $\angle 3 \cong \angle 6$. Which reason makes this statement true?



A. Given

C. Transitive Property

B. Corresponding Angles postulate

- D. Vertical Angles theorem
- 9. Based on the figure, $\angle 7$ and $\angle 5$ form a linear pair. How do we know this is true?



A. Corresponding Angles postulate

C. Law of Substitution

B. Definition of Linear Pair

D. Linear Pair Postulate

- 10. Based on the figure, $\angle 7$ and $\angle 5$ are supplementary angles. How do we know this is true?



- A. Corresponding Angles postulate

C. Law of Substitution

B. Definition of Linear Pair D. Linear Pair Postulate

C. Law of Substitution

10. Based on the figure, $\angle 7$ and $\angle 5$ are supplementary angles. How do we know this is true?

A. Corresponding Angles postulate

B. Definition of Linear Pair

D. Linear Pair Postulate