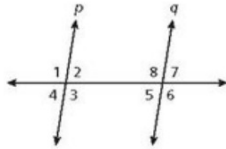


HW 3.3a p166 #1, 5, 6, 10, 12, 16, 18, 22, 24, 26-29 & VWS constructions

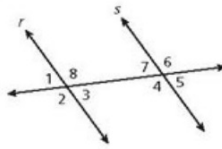
Use the Converse of the Corresponding Angles Postulate and the given information to show that $p \parallel q$.

- $\angle 4 \cong \angle 5$



Use the theorems and given information to show that $r \parallel s$.

- $m\angle 3 + m\angle 4 = 180^\circ$
- $\angle 3 \cong \angle 7$



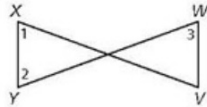
10. Complete the following two-column proof.

Given: $\angle 1 \cong \angle 2, \angle 3 \cong \angle 1$

Prove: $\overline{XY} \parallel \overline{WV}$

Proof:

Statements	Reasons
1. $\angle 1 \cong \angle 2, \angle 3 \cong \angle 1$	1. Given
2. $\angle 2 \cong \angle 3$	2. a. ?
3. b. ?	3. c. ?



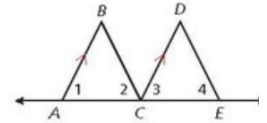
22. Complete the following two-column proof.

Given: $\overline{AB} \parallel \overline{CD}, \angle 1 \cong \angle 2, \angle 3 \cong \angle 4$

Prove: $\overline{BC} \parallel \overline{DE}$

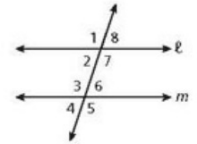
Proof:

Statements	Reasons
1. $\overline{AB} \parallel \overline{CD}$	1. Given
2. $\angle 1 \cong \angle 3$	2. a. ?
3. $\angle 1 \cong \angle 2, \angle 3 \cong \angle 4$	3. b. ?
4. $\angle 2 \cong \angle 4$	4. c. ?
5. d. ?	5. e. ?



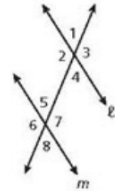
Name the postulate or theorem that proves that $\ell \parallel m$.

- $\angle 8 \cong \angle 6$
- $\angle 2 \cong \angle 6$
- $\angle 3 \cong \angle 7$
- $\angle 8 \cong \angle 4$
- $\angle 7 \cong \angle 5$
- $m\angle 2 + m\angle 3 = 180^\circ$



Use the Converse of the Corresponding Angles Postulate and the given information to show that $\ell \parallel m$.

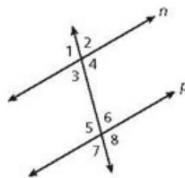
- $\angle 3 \cong \angle 7$



Use the theorems and given information to show that $n \parallel p$.

- $\angle 3 \cong \angle 6$

- $m\angle 4 + m\angle 6 = 180^\circ$



Name _____

Date _____ Period ____ Assn #: _____

Constructing Parallel Lines

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Construct a line segment through the given point parallel to the given line segment.

1)



2)



3)



4)

