

Name:

Date:

Period:

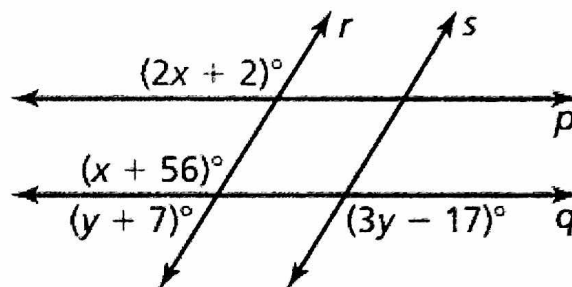
HW #3-6: Quiz Review
CHECK ANSWERS IN CLASSROOM CALENDAR!



1. Answer #1-16 on pg. 146 of your textbook on a separate piece of paper. Staple to this worksheet to turn in.

2. Given the diagram...

a. Find the value of x that makes $p \parallel q$

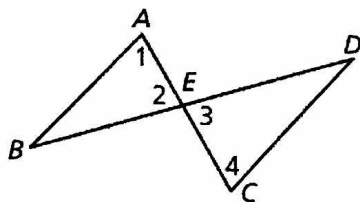


b. Find the value of y that makes $r \parallel s$

c. Can r be parallel to s and can p be parallel to q at the same time? Explain your reasoning.



3. **Given:** $\angle 1 \cong \angle 2$ and $\angle 3 \cong \angle 4$
Prove: $\overline{AB} \parallel \overline{CD}$

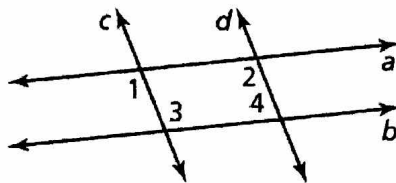


Statements

Reasons



4. **Given:** $a \parallel b$ and $\angle 2 \cong \angle 3$
Prove: $c \parallel d$



Statements

Reasons

5. Solve the system of equations.

$$\begin{aligned} 8x + 14y &= 4 \\ -6x - 7y &= -10 \end{aligned}$$

6. Find the value of x .

