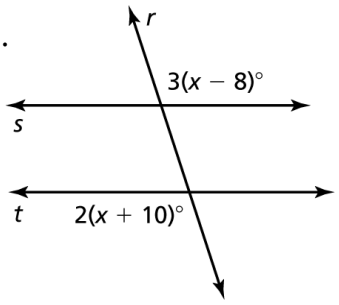
Name _____ Date _____ Period _____

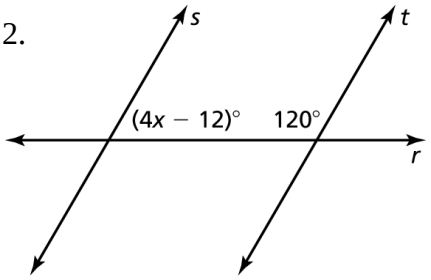
HW #3-5

For #1 and #2, find the value of x that makes $s \parallel t$

1.

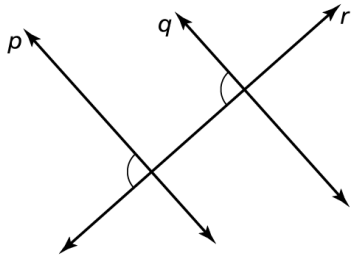


2.

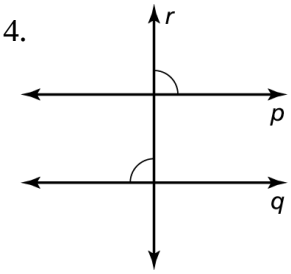


For #3 and #4, decide whether there is enough information to prove that $p \parallel q$. If so, state the theorem or postulate you would use.

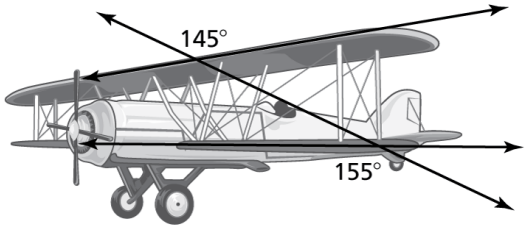
3.



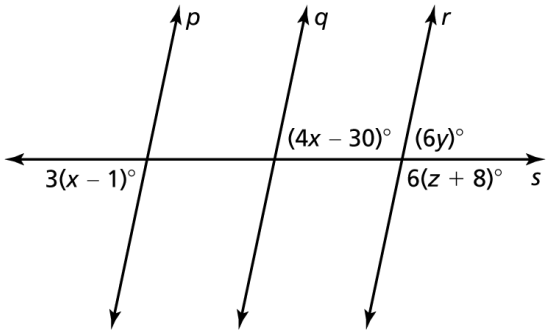
4.



5. The angles formed between the braces and the wings of a biplane are shown in the figure. Are the top and bottom wings of a biplane parallel? Explain your reasoning.



6. Use the diagram to answer the following:



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

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

c. Is $p \parallel r$? Explain your reasoning.