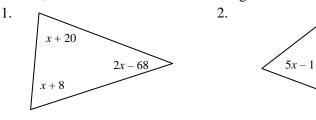


## PRACTICE 5-1

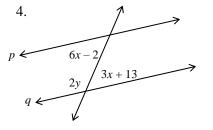
## NAME\_\_\_\_\_[SHOW YOUR WORK]

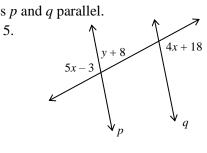
3.

Solve for *x*, then find the measure of each angle.



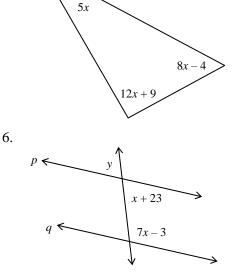
Find the values of x and y that make lines p and q parallel.





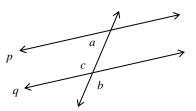
7x - 9

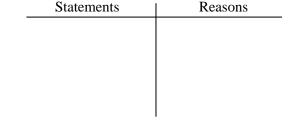
6x - 8



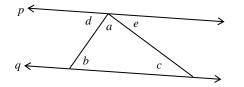
Complete each proof.

7. Given that  $p \parallel q$ ; Prove that  $a + b = 180^{\circ}$ 





8. Given that  $p \parallel q$ ; Prove that  $a + b + c = 180^{\circ}$  (without using the triangle sum theorem)



- Statements Reasons
- 9. Find the measure of all labeled angles.

f =

g =

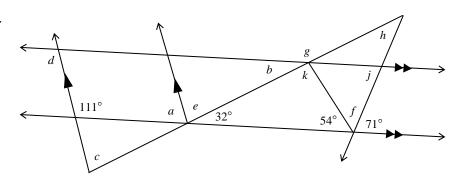
h =

$$a = b =$$

$$c =$$

 $d = \qquad j = \\ e = \qquad k =$ 





★ 10. Find the measures of the angles in a triangle such that one measure is twice the product of the other two measures. All the measures of the angles are positive integers.