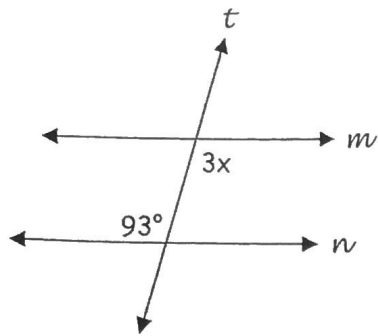
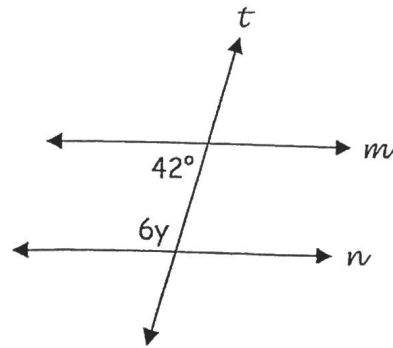


Solving Parallel Line Problems

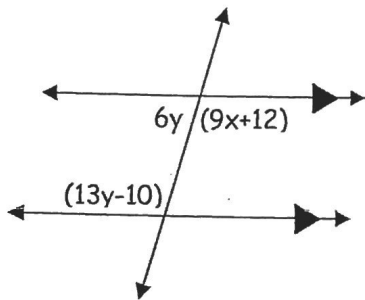
Ex 1: Given lines  $m \parallel n$ . Find  $x$ .



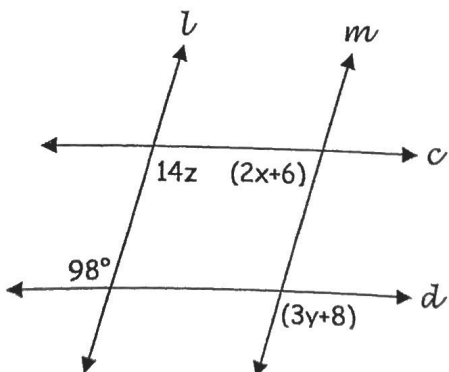
Ex 2: Given lines  $m \parallel n$ . Find  $y$ .



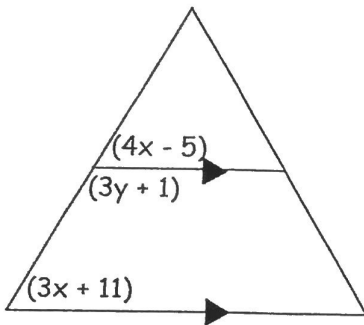
Ex 3: Find  $x$  &  $y$ . (Problem-Solving Tip #1: \_\_\_\_\_)



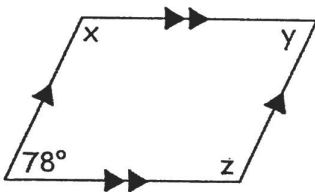
Ex 4: Lines  $l \parallel m$  and  $c \parallel d$ . Find  $x, y$  &  $z$ . (PST #2: \_\_\_\_\_)



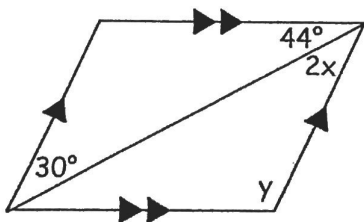
Ex 5: Find  $x$  &  $y$ . (PST #3: \_\_\_\_\_)



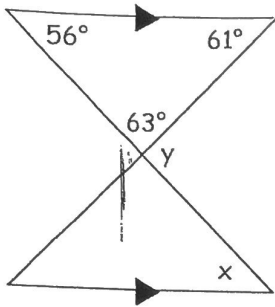
Ex 6: Find  $x$ ,  $y$  &  $z$ . (PST #4: \_\_\_\_\_)



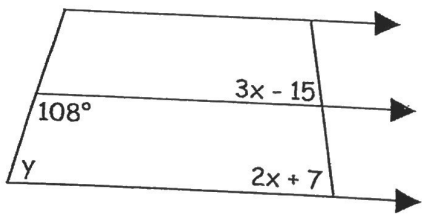
Ex 7: Find  $x$  &  $y$ .



Ex 8: Find  $x$  &  $y$ .



Ex 9: Find  $x$  &  $y$ .



GEOMETRY

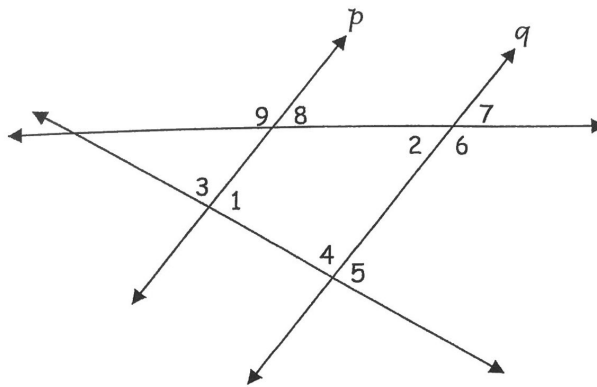
Name: \_\_\_\_\_

Worksheet 3 - 3

Date: \_\_\_\_\_ Period: \_\_\_\_\_

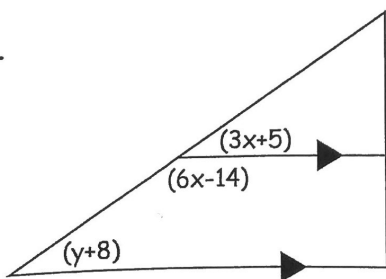
For problems 1 - 7, the figure at the right shows  $p \parallel q$ ,  $m\angle 1 = 78^\circ$  and  $m\angle 2 = 47^\circ$ . Find the measures of the following angles.

1.  $m\angle 1 = 78^\circ$
2.  $m\angle 2 = 47^\circ$
3.  $m\angle 3 = \underline{\hspace{2cm}}$
4.  $m\angle 4 = \underline{\hspace{2cm}}$
5.  $m\angle 5 = \underline{\hspace{2cm}}$
6.  $m\angle 6 = \underline{\hspace{2cm}}$
7.  $m\angle 7 = \underline{\hspace{2cm}}$
8.  $m\angle 8 = \underline{\hspace{2cm}}$
9.  $m\angle 9 = \underline{\hspace{2cm}}$

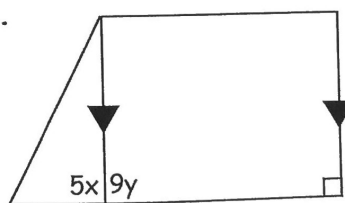


For problems 10 - 12, find the values of  $x$  and  $y$  in each figure.

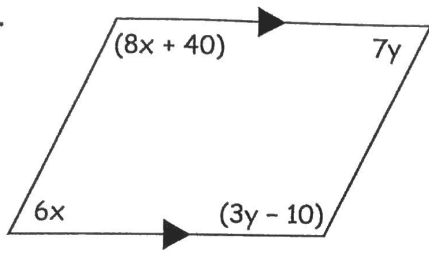
10.



11.

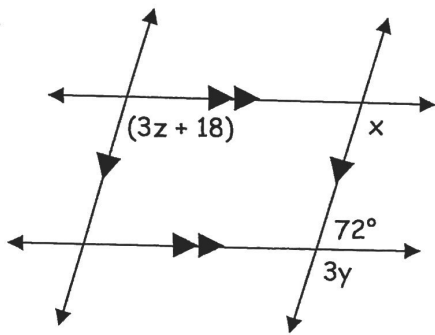


12.



For problems 13 - 14, find the values of  $x$ ,  $y$  and  $z$  in each figure.

13.



14.

