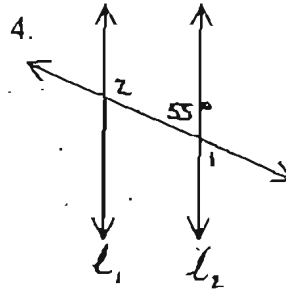
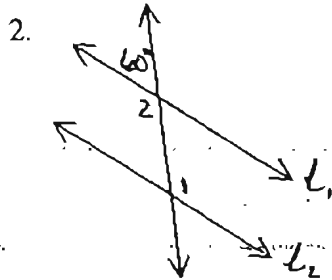
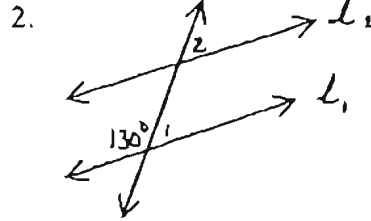
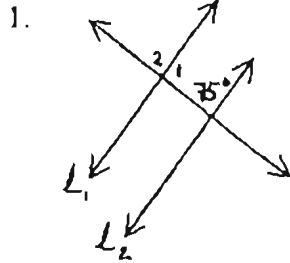


### Parallel Lines Worksheet

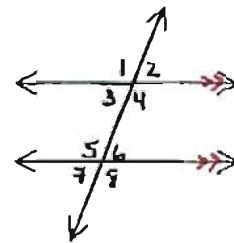
In problems 1-4, assume that  $l_1 \parallel l_2$ . Find the measures of  $\angle 1$  and  $\angle 2$ .



Find the measures of all number angles in the figure for each value on  $m\angle 8$ .

4.  $m\angle 8 = 119^\circ$ ,  $m\angle 1 = \underline{\hspace{2cm}}$ ,  $m\angle 2 = \underline{\hspace{2cm}}$ ,  $m\angle 3 = \underline{\hspace{2cm}}$

$m\angle 4 = \underline{\hspace{2cm}}$ ,  $m\angle 5 = \underline{\hspace{2cm}}$ ,  $m\angle 6 = \underline{\hspace{2cm}}$ ,  $m\angle 7 = \underline{\hspace{2cm}}$



5.  $m\angle 8 = 126^\circ$ ,  $m\angle 1 = \underline{\hspace{2cm}}$ ,  $m\angle 2 = \underline{\hspace{2cm}}$ ,  $m\angle 3 = \underline{\hspace{2cm}}$

$m\angle 4 = \underline{\hspace{2cm}}$ ,  $m\angle 5 = \underline{\hspace{2cm}}$ ,  $m\angle 6 = \underline{\hspace{2cm}}$ ,  $m\angle 7 = \underline{\hspace{2cm}}$

6.  $m\angle 8 = 124.5^\circ$ ,  $m\angle 1 = \underline{\hspace{2cm}}$ ,  $m\angle 2 = \underline{\hspace{2cm}}$ ,  $m\angle 3 = \underline{\hspace{2cm}}$

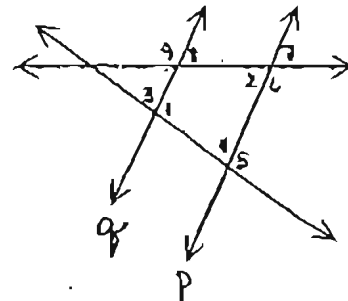
$m\angle 4 = \underline{\hspace{2cm}}$ ,  $m\angle 5 = \underline{\hspace{2cm}}$ ,  $m\angle 6 = \underline{\hspace{2cm}}$ ,  $m\angle 7 = \underline{\hspace{2cm}}$

7. Given that  $p \parallel q$ ,  $m\angle 1 = 78^\circ$  and  $m\angle 2 = 47^\circ$ , find the measure of each angle.

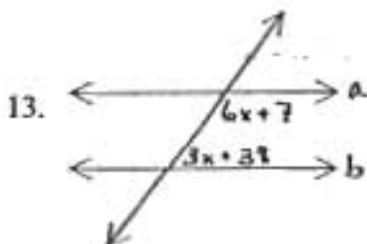
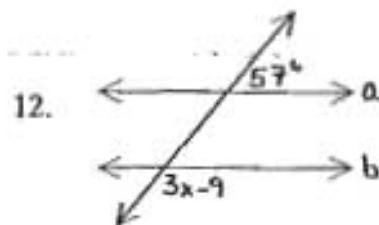
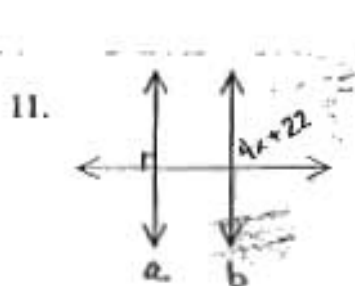
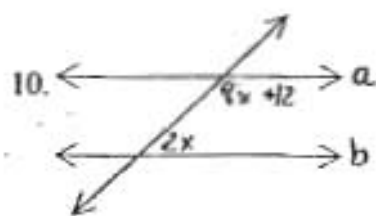
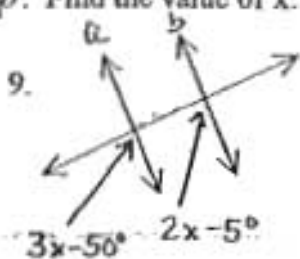
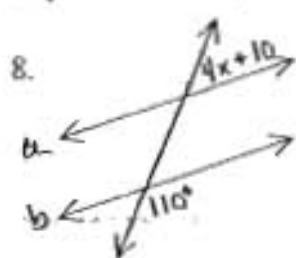
$m\angle 3 = \underline{\hspace{2cm}}$   $m\angle 4 = \underline{\hspace{2cm}}$   $m\angle 5 = \underline{\hspace{2cm}}$

$m\angle 6 = \underline{\hspace{2cm}}$   $m\angle 7 = \underline{\hspace{2cm}}$   $m\angle 8 = \underline{\hspace{2cm}}$

$m\angle 9 = \underline{\hspace{2cm}}$



In problems 8-13, assume  $a \parallel b$ . Find the value of  $x$ .



In problems 14-19,  $\overline{AB} \parallel \overline{CD}$ ; find the measure of each numbered angle.

