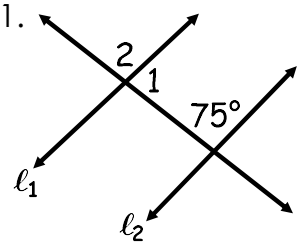
GSE Geometry Practice

Name: _____ Date: _____

Parallel Lines and Transversals Practice

In problems 1 – 4, assume that $\ell_1 \| \ell_2$. Find the measures of ∠1 and ∠2.

1.



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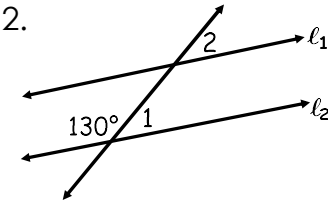

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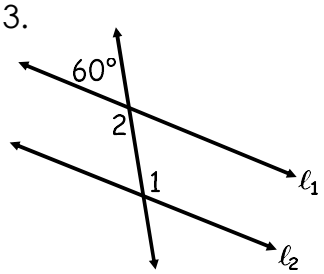

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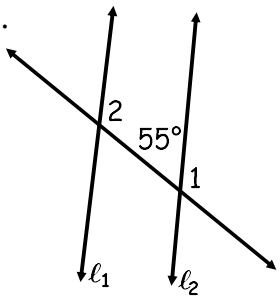
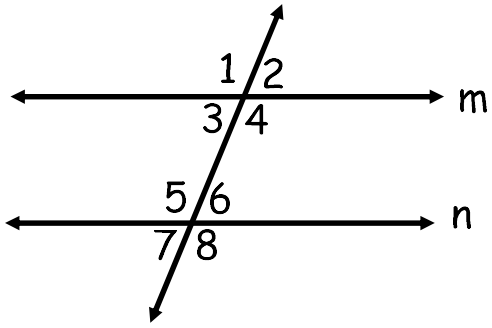


5. Given $m \| n$ and m∠8 = 119°, find the measures of all the numbered angles in the figure.

m∠1 = _____, m∠2 _____, m∠3 = _____

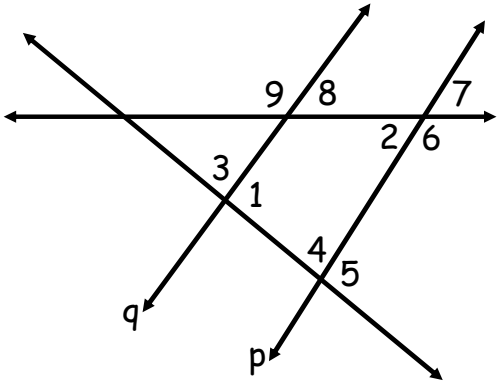
m∠4 = ____, m∠5 = _____, m∠6 = _____, m∠7 = _____



6. Given $p \| q$, m∠1 = 78°, and m∠2 = 47°, find the measures of all the numbered angles.

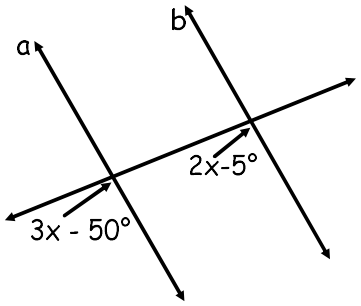
m∠3 = ____, m∠4 = _____, m∠5 = _____, m∠6 = _____

m∠7 = ____, m∠8 = _____, m∠9 = _____



In problems 7 – 10, assume $a \| b$. Find the value of x.

7.



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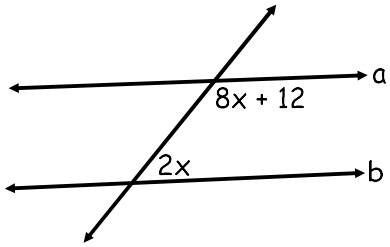

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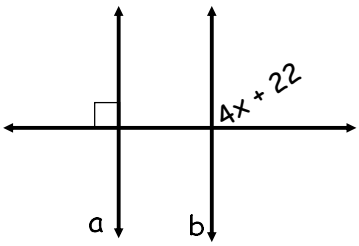

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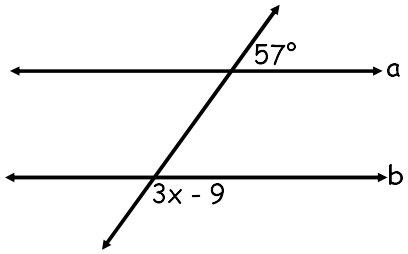
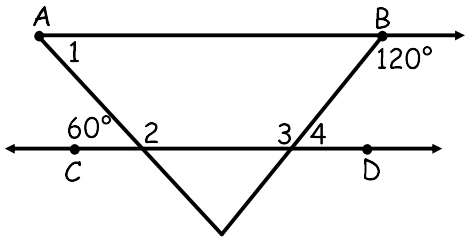


In problems 11 & 12, $\overline{AB} \| \overline{CD}$, find the measure of each numbered angle.

11.



12.