

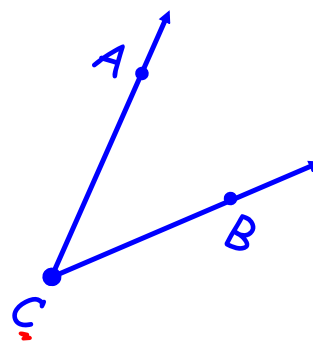
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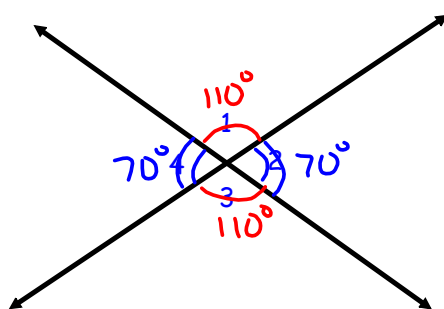
Aim: SWBAT name and identify vertical and adjacent angles and begin to find the complement and supplement of a given angle.

HW: Worksheet

Do Now: List two ways to name the angle.

$\angle ACB$
 $\angle BCA$
 $\angle C$



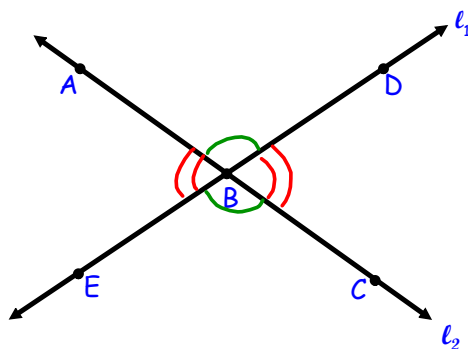


Name four pairs of adjacent angles.

$\angle 1$ and $\angle 2$
 $\angle 2$ and $\angle 3$
 $\angle 3$ and $\angle 4$
 $\angle 4$ and $\angle 1$

Name two pairs of vertical angles.

$\angle 1$ and $\angle 3$
 $\angle 2$ and $\angle 4$

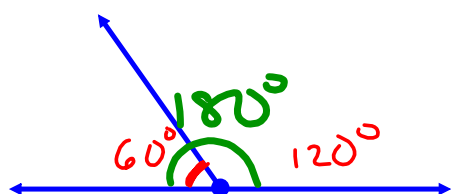


Name four pairs of adjacent angles.

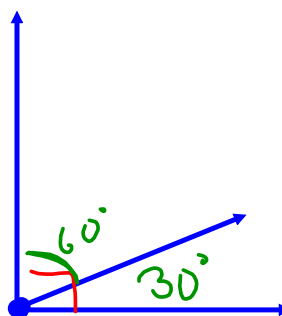
$\angle ABD$ and $\angle DBC$
 $\angle DBC$ and $\angle CBE$
 $\angle CBE$ and $\angle EBA$
 $\angle EBA$ and $\angle ABD$

Name two pairs of vertical angles.

$\angle ABD$ and $\angle EBC$
 $\angle ABE$ and $\angle DBC$



Supplementary
adds to 180°

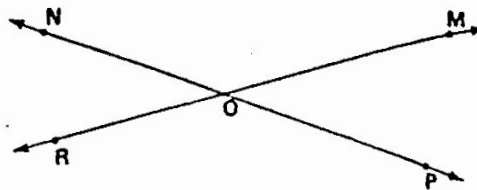


Right (90°)
Complementary
adds to 90°

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A. Name the adjacent angles in the figure at the right.

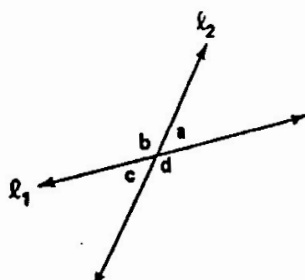
- \angle _____ and \angle _____ are adjacent.
- \angle _____ and \angle _____ are adjacent.
- \angle _____ and \angle _____ are adjacent.
- \angle _____ and \angle _____ are adjacent.



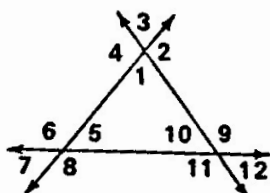
B. Find the complement and the supplement for each given angle.

Given angle	Complementary angle	Supplementary angle	Given angle	Complementary angle	Supplementary angle
$\angle AOB = 30^\circ$	_____	_____	$\angle BOC = 47^\circ$	_____	_____
$\angle TOP = 18^\circ$	_____	_____	$\angle OXT = 13^\circ$	_____	_____
$\angle ABC = 89^\circ$	_____	_____	$\angle AVF = 73^\circ$	_____	_____
$\angle PRS = 63^\circ$	_____	_____	$\angle SPL = 35^\circ$	_____	_____
$\angle SOM = 80^\circ$	_____	_____	$\angle MNO = 84^\circ$	_____	_____
$\angle STN = 57^\circ$	_____	_____	$\angle TNR = 55^\circ$	_____	_____

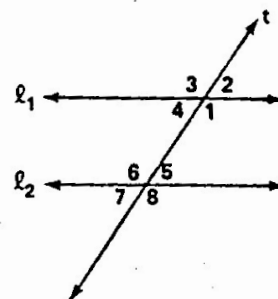
List all the vertical angles in each figure.



- \angle _____ and \angle _____
- \angle _____ and \angle _____



- \angle _____ and \angle _____
- \angle _____ and \angle _____
- \angle _____ and \angle _____
- \angle _____ and \angle _____
- \angle _____ and \angle _____
- \angle _____ and \angle _____



- \angle _____ and \angle _____
- \angle _____ and \angle _____
- \angle _____ and \angle _____
- \angle _____ and \angle _____