

ADJACENT \angle 'S
+ LINEAR
PAIRS

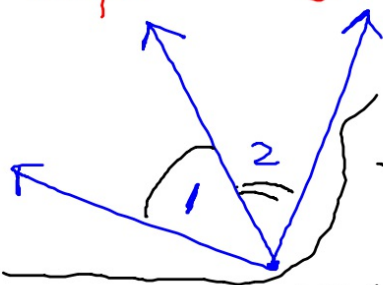
VERTICAL
ANGLES

COMPLEMENTARY
ANGLES

SUPPLEMENTARY
ANGLES

ADJACENT: "attached"

adjacent angles share a vertex and a side.

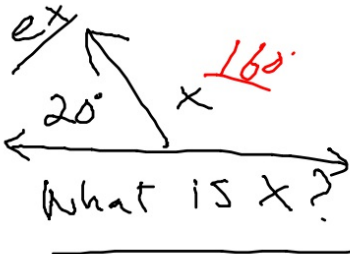


$\angle 1$ & $\angle 2$ are adjacent.

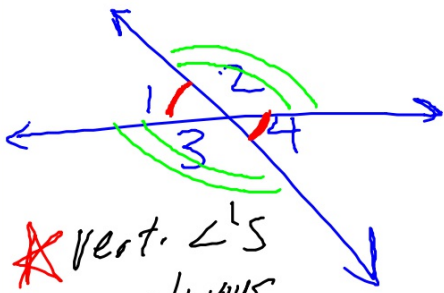
LINEAR PAIR

= 2 adjacent angles that make a line.

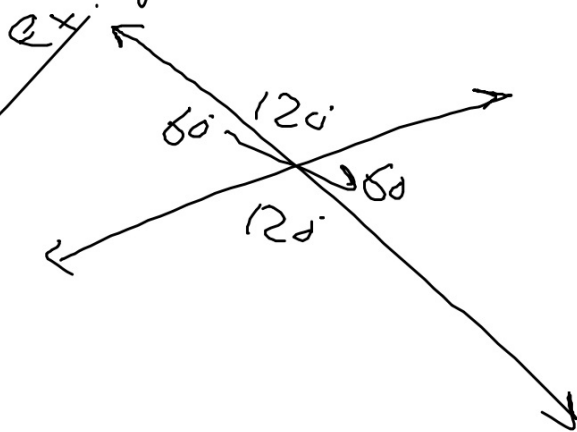
$$\angle 3 + \angle 4 = 180^\circ$$



Vertical Angles: 2 angles ~~that~~ formed by the same lines and share a vertex.



*Vert. \angle 's are always congruent."



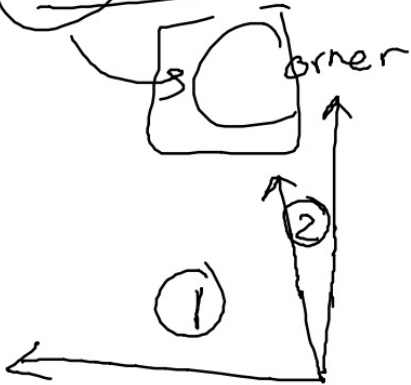
"Angles across from each other"

$$\angle 1 + \angle 2 + \angle 3 + \angle 4 = 360^\circ$$

$$\angle 1 \cong \angle 4$$

$$\angle 2 \cong \angle 3$$

Complement Angles = 90



2 angles that could make a right angle together.

$$\angle 1 + \angle 2 = 90^\circ$$

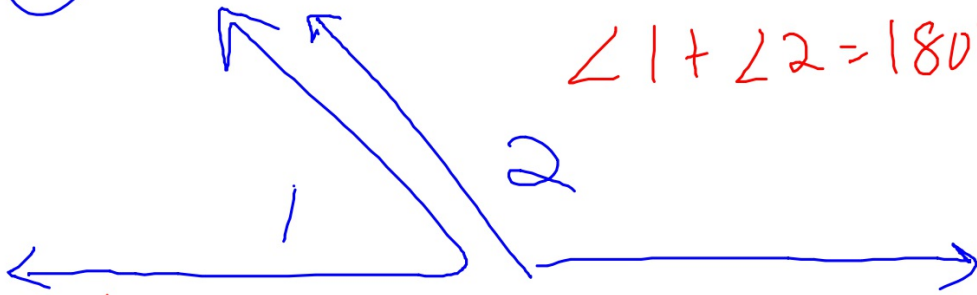
If an angle measures $(3x-2)^\circ$, what is its complement?

$$90 - (3x-2)$$

$$90 - 3x + 2$$

$$(92 - 3x)^\circ$$

Supplementary \angle 's = 180°
Straight line 2 angles that could
make a straight line
(180°)



$$\angle 1 + \angle 2 = 180^\circ$$

$$\angle 1 = 4x - 2$$

$$\angle 2 = ? \quad 180 - (4x - 2)$$

$$180 - 4x + 2$$

$$182 - 4x^\circ$$