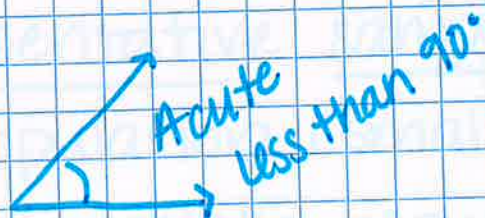
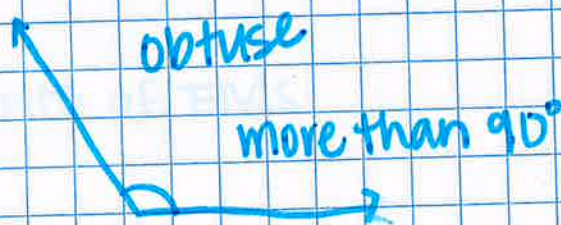
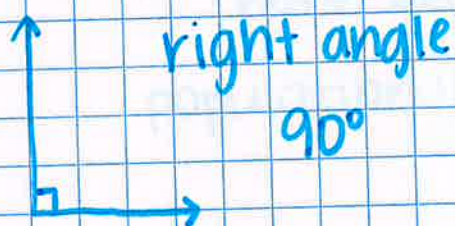


Use angle relationships to classify angles and solve for a variable.

Angle: is formed when ^{two} lines come together to make a vertex.



Complementary:

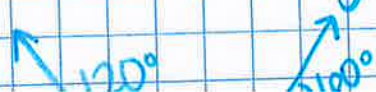
2 angles that add up to 90°



$$30 + 60 = 90$$

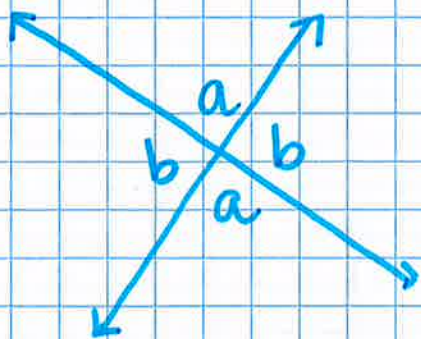
Supplementary:

2 angles that add up to 180°



$$120 + 60 = 180$$

vertical angles:



formed when
2 lines intersect

the angles across
from each other
are the same size

$$m\angle a = m\angle a$$



measure
of angle
a

$$a + b = 180^\circ$$

Linear pair

$$a + a + b + b = 360^\circ$$