

3/8/12 9.3 Classifying Angles

① Classifying Angles:

RIGHT ANGLE: an angle whose measure is exactly 90°



ACUTE ANGLE: an angle whose "cute little angle" measure is less than 90°

OBTUSE ANGLE: an angle whose measure is between $90^\circ - 180^\circ$



STRAIGHT ANGLE: an angle whose measure is exactly 180° .

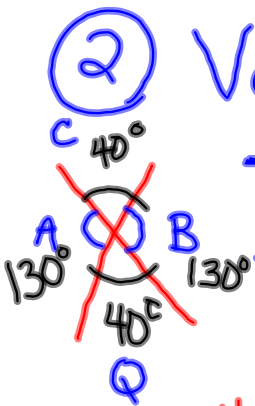


P. 430 EX 1:

② Vertical Angles:

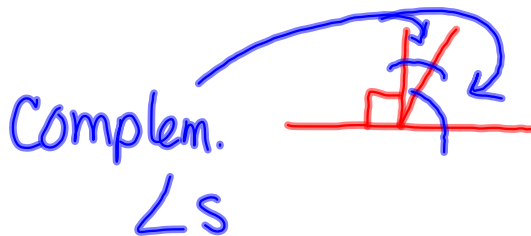
— when 2 lines intersect the angles OPPOSITE each other are VERTICAL angles.

* Vertical angles have the SAME measure!



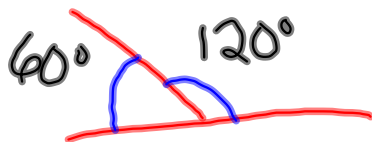
③ Complementary & Supplementary

COMPLEMENTARY ANGLES: ② angles are

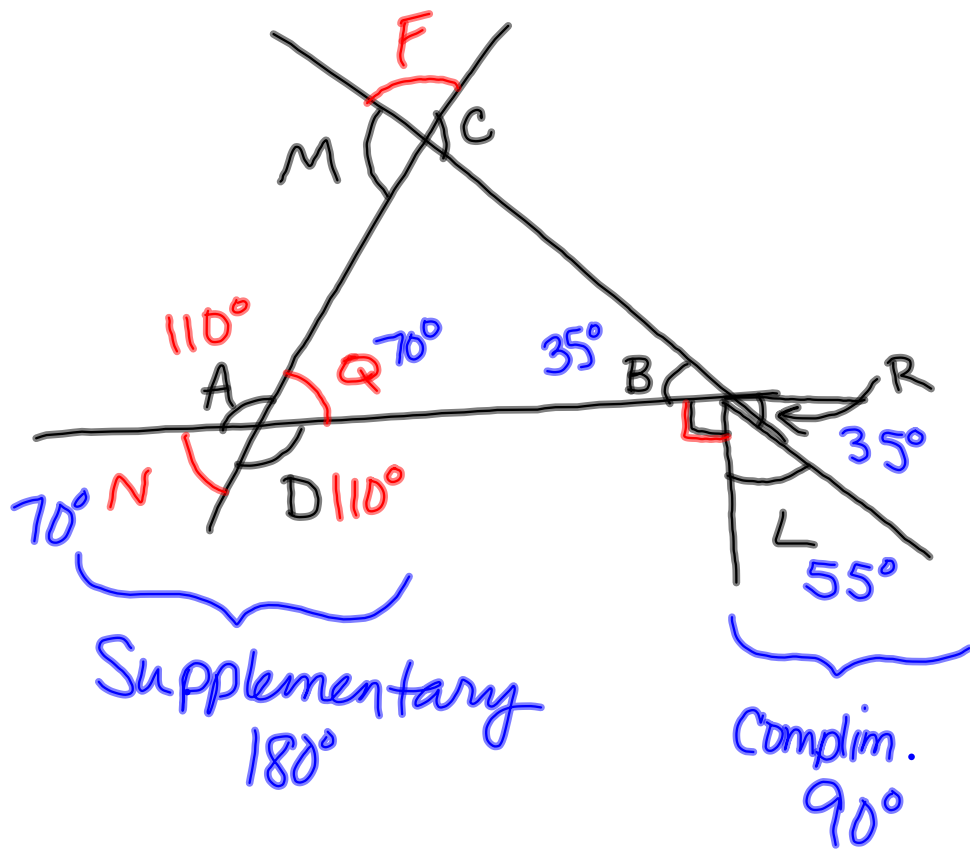


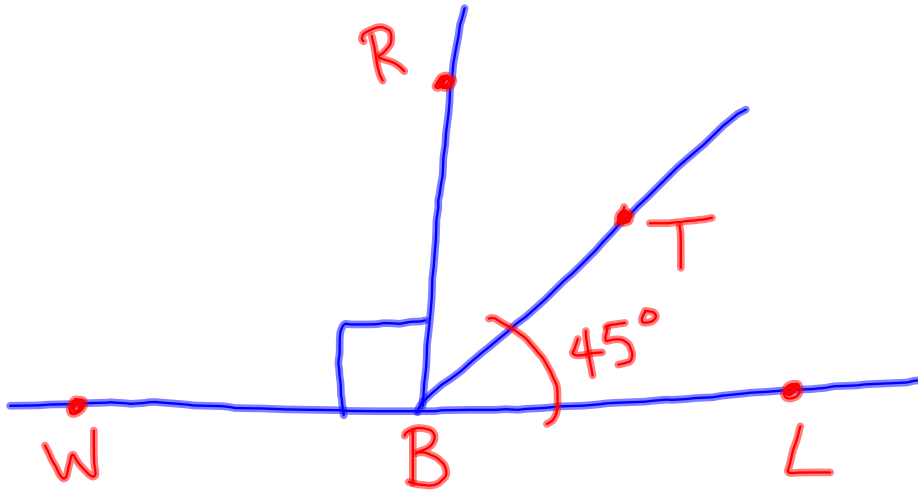
Complementary if the SUM of their measure is 90° .

SUPPLEMENTARY ANGLES: ② angles are



Supplementary if the sum of their angles is 180° .





$$\angle WBL = 180^\circ$$

$$\angle WBR = 90^\circ$$

$$\angle RBL = 90^\circ$$

$$\angle TBL = 45^\circ$$

$$\angle RBT = 45^\circ$$

$\angle RBD$

$\angle B$

$\angle ABC$

