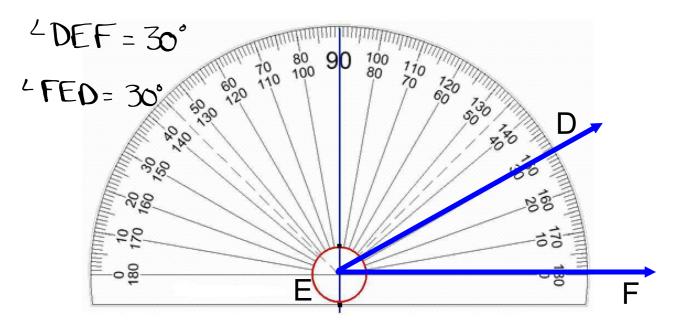
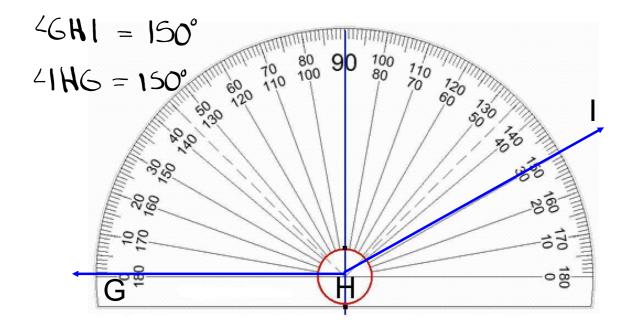
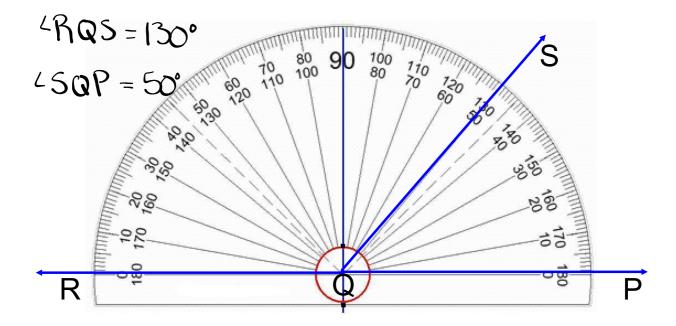


· Obtuse angles are greater than 90°

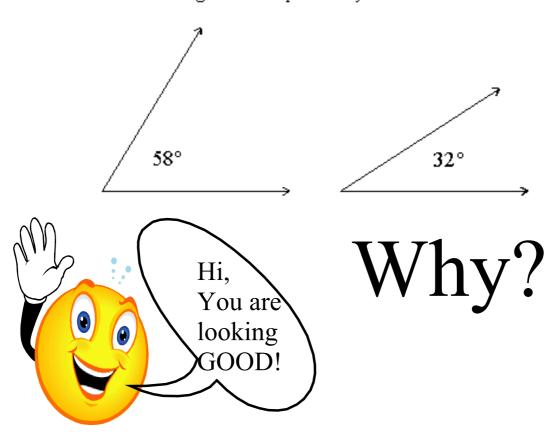


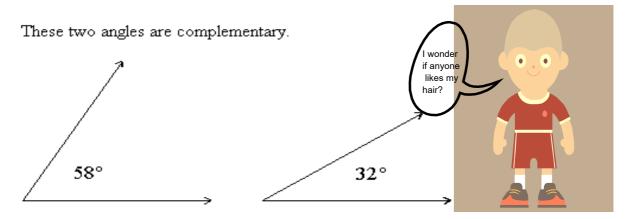
· acute angles are less than 90°



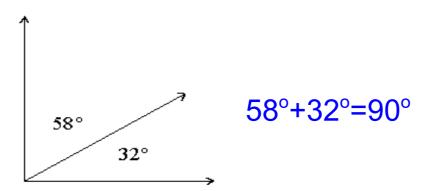


These two angles are complementary.

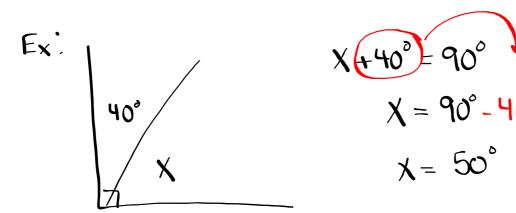




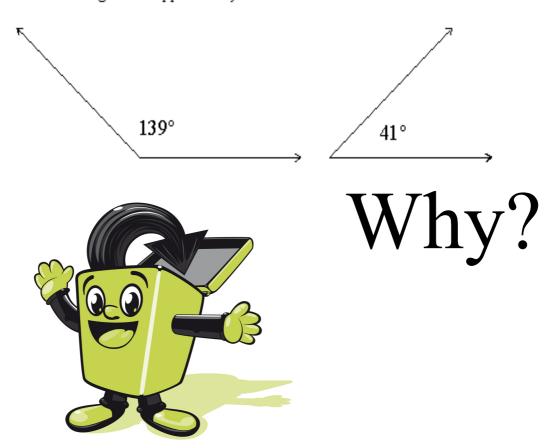
Note that these two angles can be "pasted" together to form a right angle!



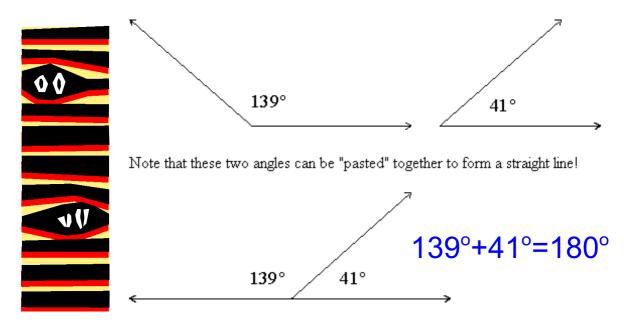
\* Complementary angles add up to 90°.



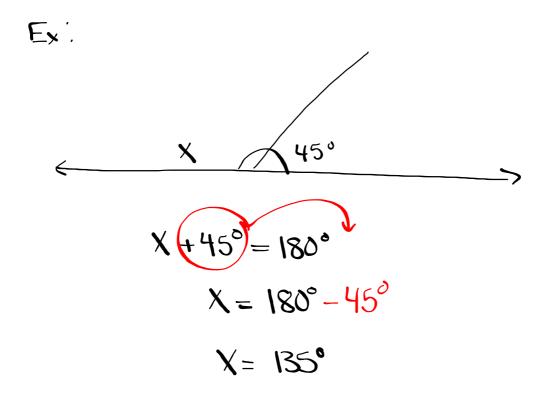
These two angles are supplementary.

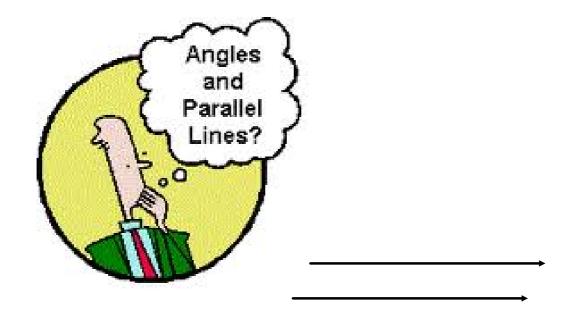


These two angles are supplementary.



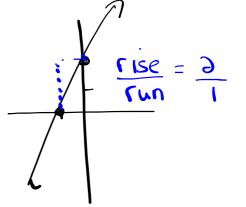
#### **¥** Supplementary angles add up to 180°.

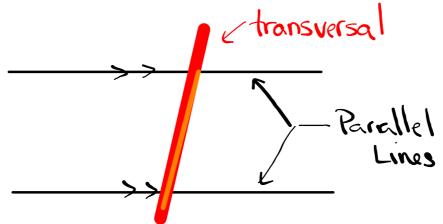


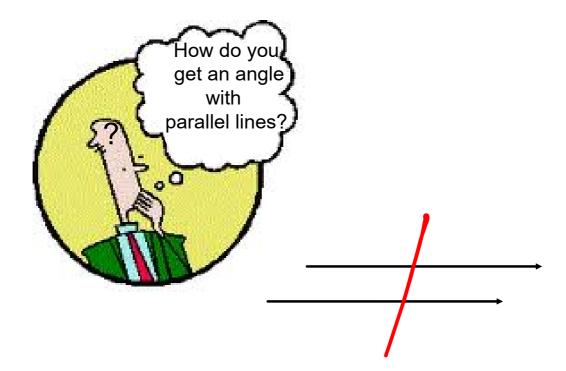


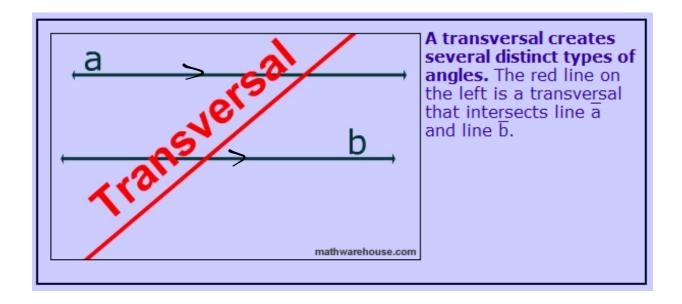
Paralle Lines:

- Same <u>Slope</u>
  Never touch or Intersect

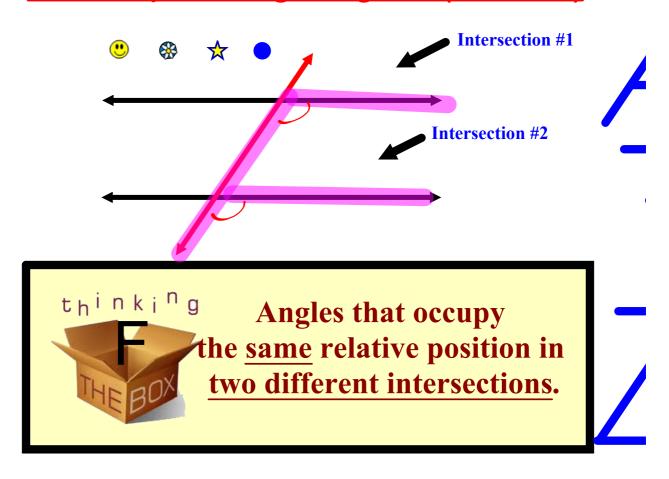




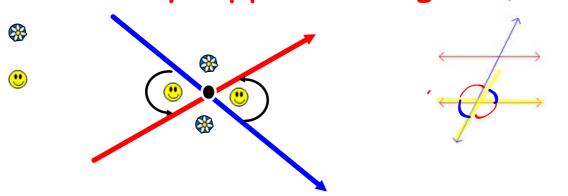




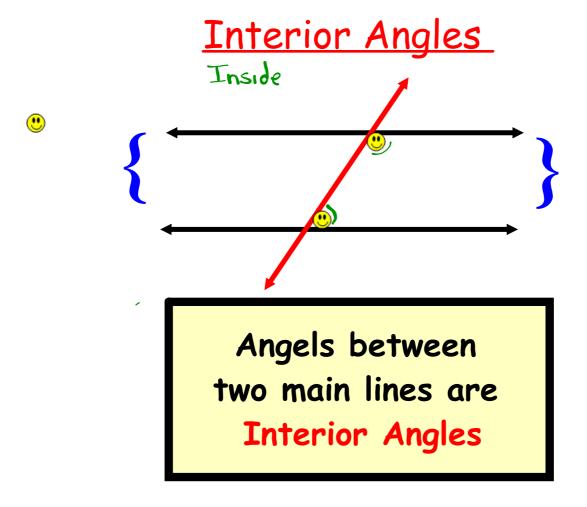
#### Corresponding Angles (F Rule)



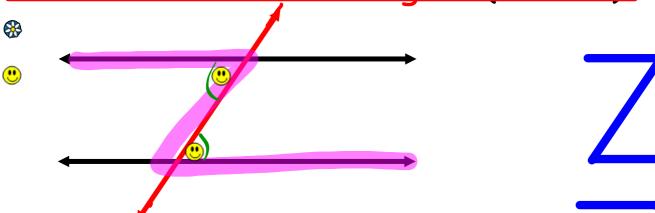
## Vertically Opposite Angles (X Rule)







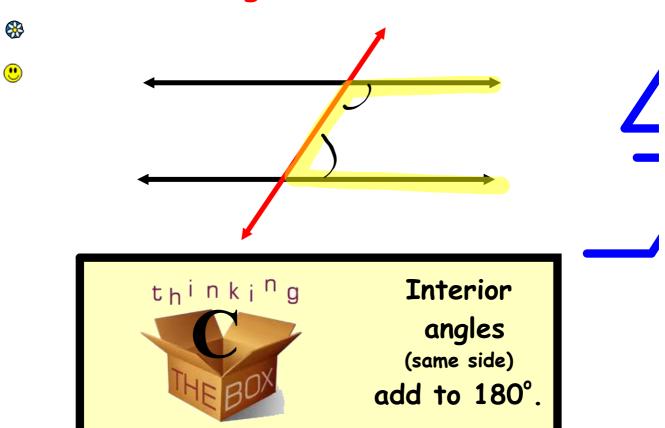


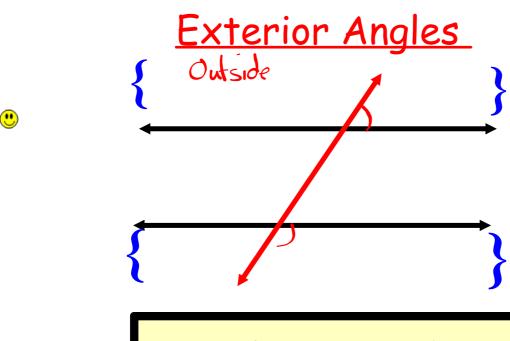




Alternate Interior angles are equal.

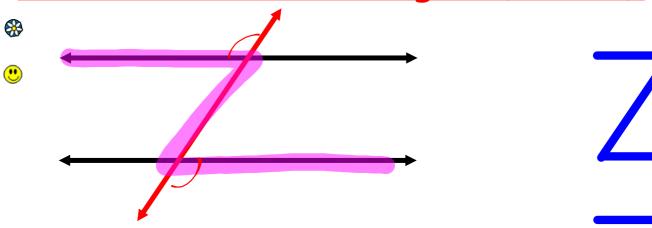
#### Co-Interior Angles - Same Side (C Rule)





Angels outside the two main lines are Exterior Angles

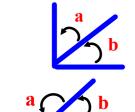
# Alternate Exterior Angles (Z Rule)





Alternate Exterior angles are equal.

### Let's Sum It Up

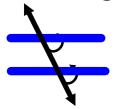


Rule - Complimentary angles a & b add up to 90°

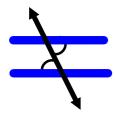
Rule - Supplimentary angles a & b add up to 180°



Rule - Vertically Opposite angles are equal



Rule - Corresponding angles are equal



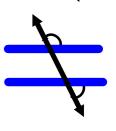
Rule - Alternate Interior angles are equal Alternate Exterior angles are equal



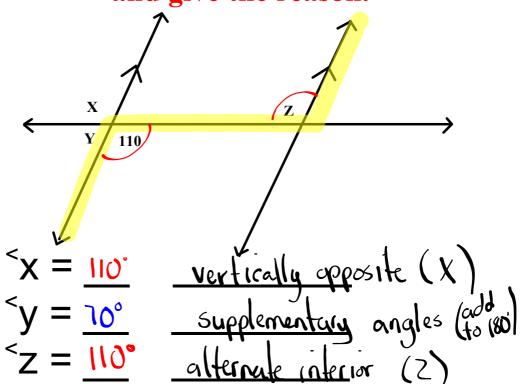
\*

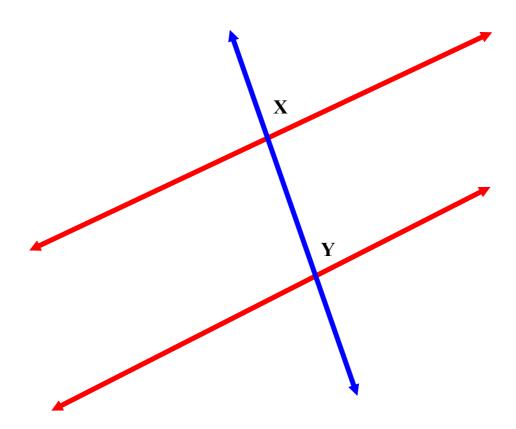
Rule - Co-interior angles add up to 180°

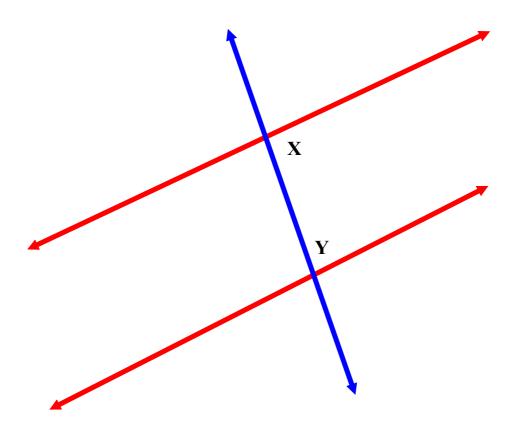
Co-Exterior angles add up to 180°

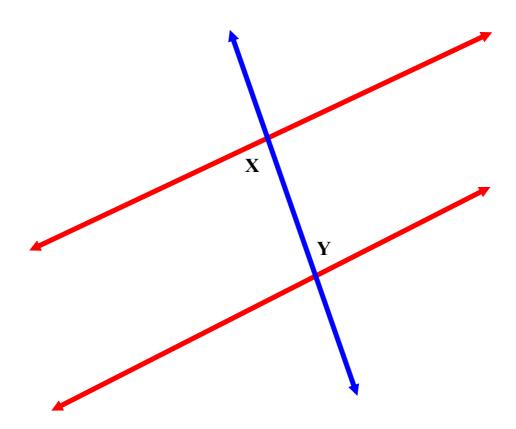


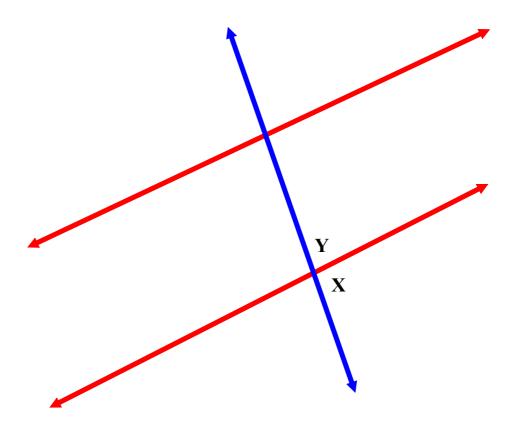
Using 110 as your reference, determine the value of each unknown angle, and give the reason.

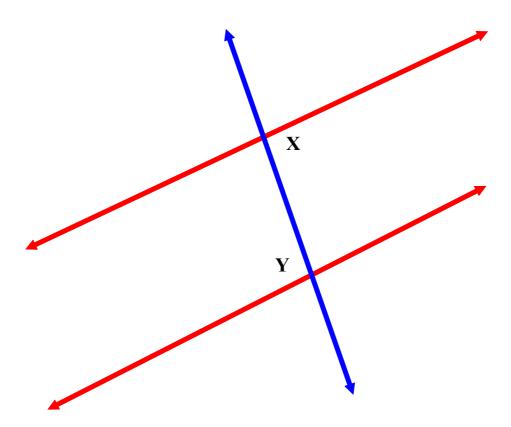


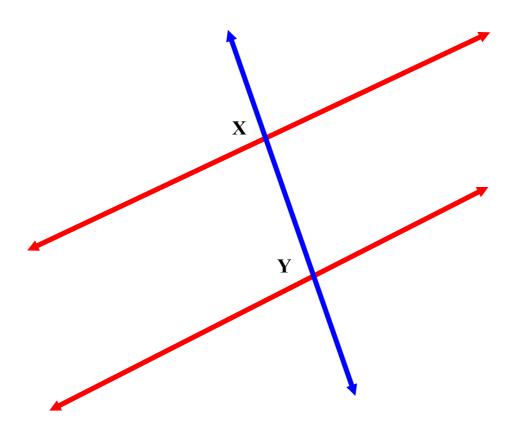


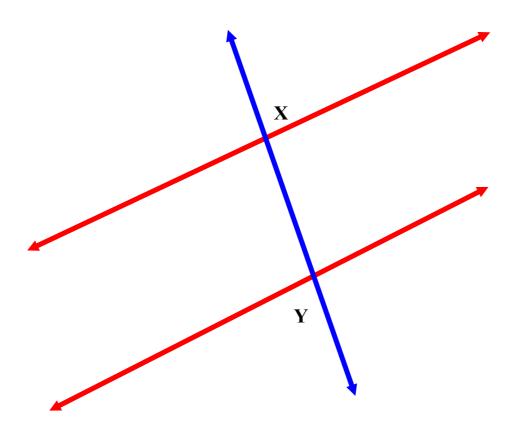


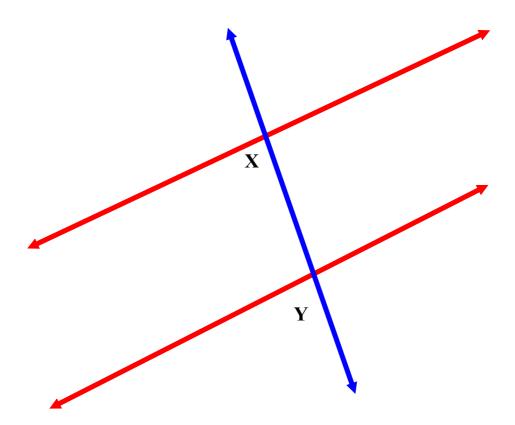


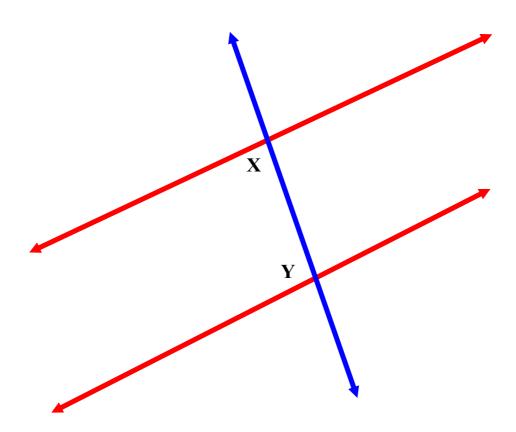


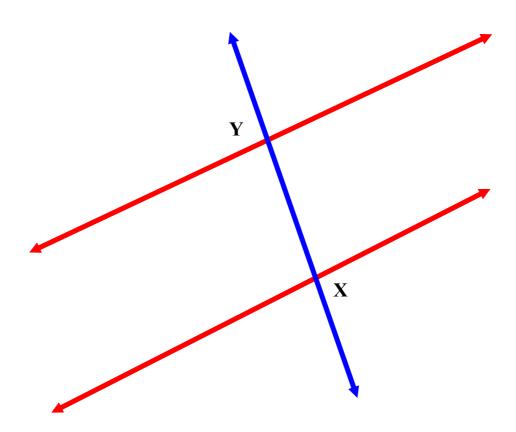


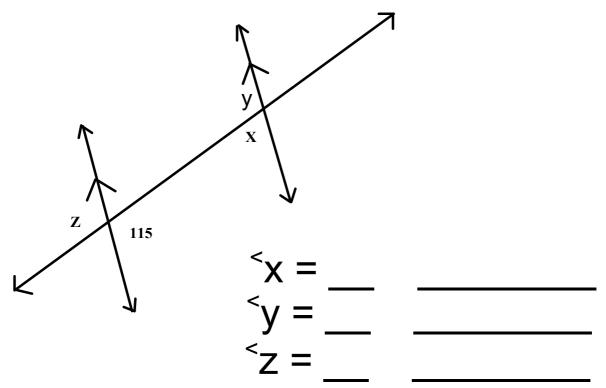












Using 115° as your reference, determine the value of each unknown angle, and give the reason.

