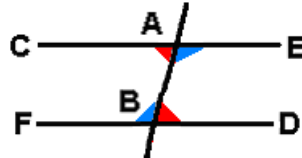
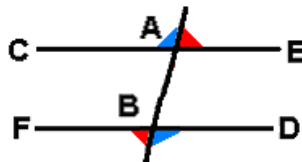


ANGLES DETERMINED BY A TRANSVERSAL MEETING TWO OTHER LINES

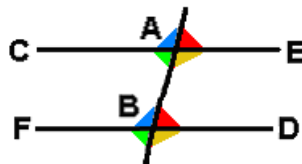
In these drawings, **D** and **E** lie on one side of the line **AB**, while **C** and **F** lie on the opposite side (all within some fixed plane); in the discussion below, points **X** and **Y** are such that X^*A^*B and Y^*B^*A . In each drawing the related pairs of angles have matching colors.



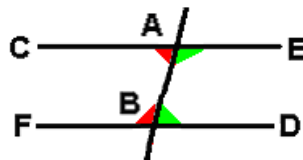
Pairs of alternate interior angles ($\angle CAB$ and $\angle ABD$, $\angle EAB$ and $\angle ABF$)



Pairs of alternate exterior angles ($\angle CAX$ and $\angle YBD$, $\angle EAX$ and $\angle YBF$)
(Vertical angle pairs in this and the preceding drawing are in matching colors)



Pairs of corresponding angles
($\angle CAX$ and $\angle FBA$, $\angle EAX$ and $\angle DBA$, $\angle CAB$ and $\angle FBY$, $\angle EAB$ and $\angle DBY$)



Pairs of consecutive angles ($\angle CAB$ and $\angle FBA$, $\angle EAB$ and $\angle DBA$)