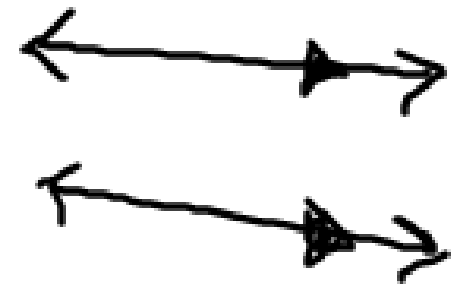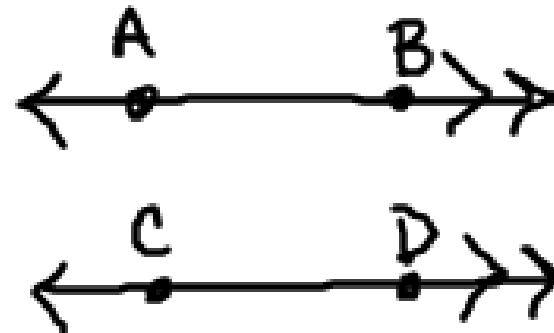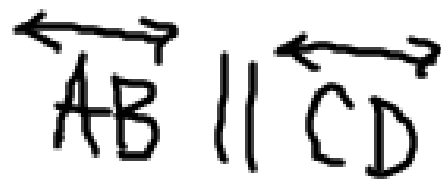# 3-1
Parallel Lines and Transversals

parallel lines : coplaner lines that do **not** intersect

(also segments + rays)

|| means "is parallel to"

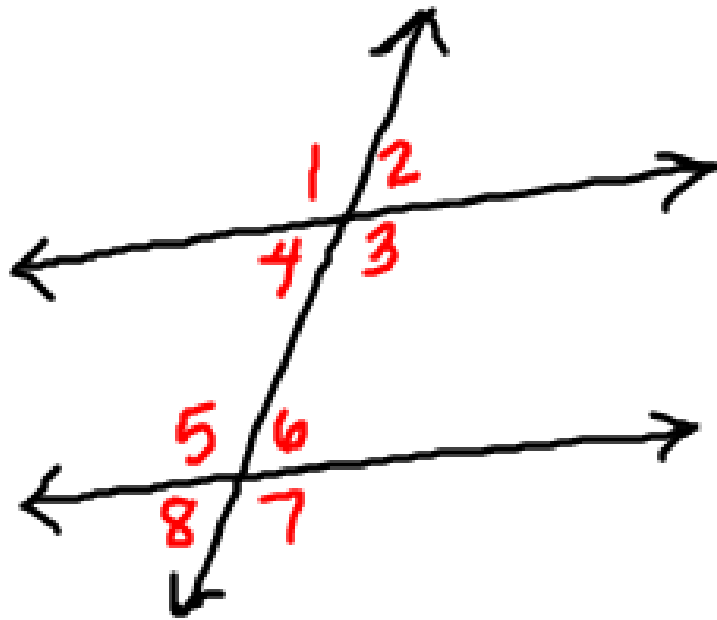$\overleftrightarrow{AB}$ || $\overleftrightarrow{CD}$

A•———B→ (line)

C•———D→ (line)

<u>skew lines</u>: <u>non</u>coplaner lines that do <u>not</u> intersect

transversal: a line that intersects two or more lines in a plane

m‖n

m∦n
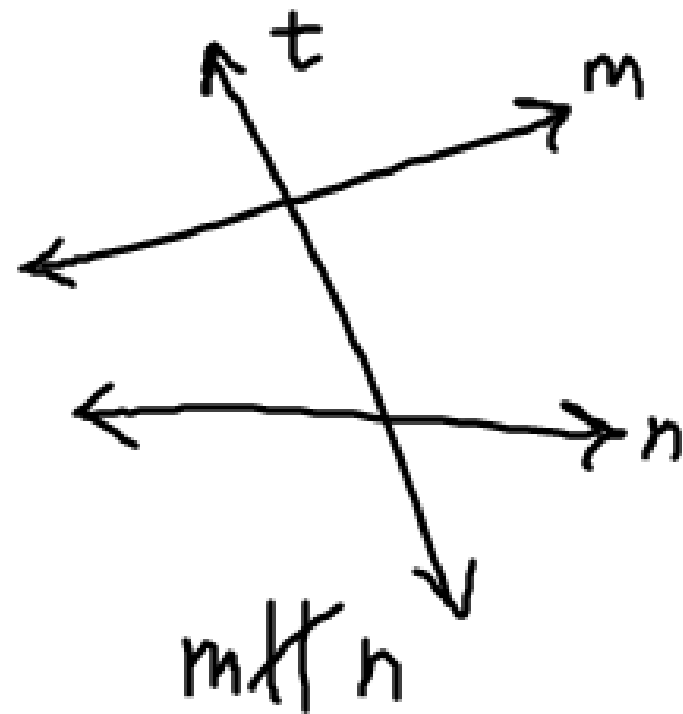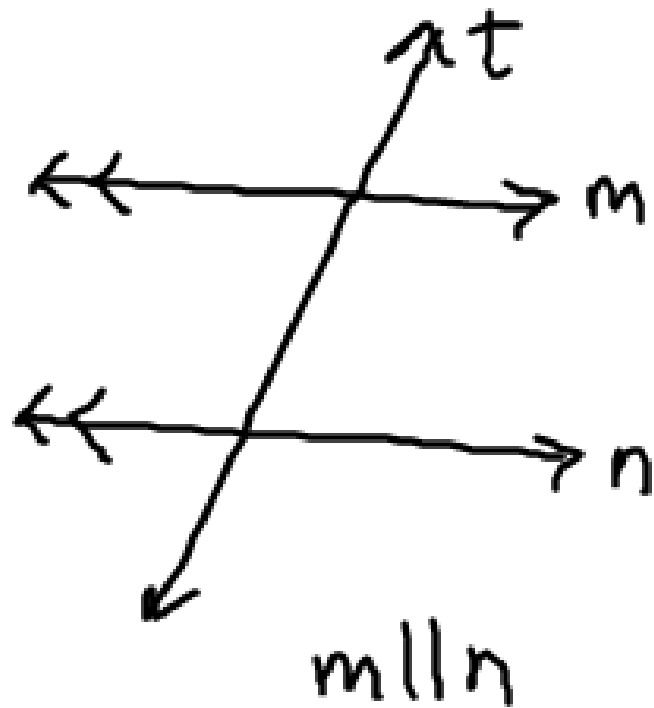
exterior: $\angle 1, \angle 2, \angle 7, \angle 8$

interior: $\angle 3, \angle 4, \angle 5, \angle 6$

consecutive interior: $\angle 3$ and $\angle 6$, $\angle 4$ and $\angle 5$

alternate interior: $\angle 3$ and $\angle 5$, $\angle 4$ and $\angle 6$

alternate exterior: $\angle 1$ and $\angle 7$, $\angle 2$ and $\angle 8$

corresponding: $\angle 1$ and $\angle 5$, $\angle 2$ and $\angle 6$, $\angle 3$ and $\angle 7$, $\angle 4$ and $\angle 8$

p. 129   # 22-46 even
(skip 28, 30)