	Pop Quiz Everything under your desk except scrap sheet of paper and pencil
1.	Write the Alternate Interior Angles Theorem.
2.	Write the Consecutive Interior Angles Theorem.
3.	Write the Vertical Angle Congruence Theorem.









Write a Paragraph Proof
In the figure, allb and 1 is congruent to 23. Prove cild. Use a
paragraph proof.
Given:
$$\angle I \cong \angle 3$$

 $all \bowtie \qquad 2$
 $because of alternate exterior $\cancel{4}$'s
theorem. Next, $\angle 2 \cong \angle 3$ because
of substitution prop. of = .
Therefore, cild because of
Alternate Interior $\cancel{4}$'s Converse.
 $\parallel /$$

Use the Transitive Property of Parallel Lines

In the figure each rung of the ladder is parallel to the rung directly above it. Explain why the top rung is parallel to the bottom rung.

Since the top rung is parallel to the next run. And the next rung is parallel to the next rung, etc. Then we can use the transitive property of parallel lines and say the top rung is parallel to the bottom rung.





Worksheet 3.3B