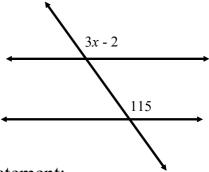
Warm Up

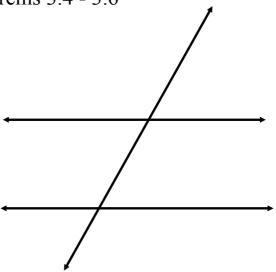
1. If the two horizontal lines are parallel, find the value of *x*.



- 2. Write the converse of the following statement: If it is raining, then Isaac needs an umbrella.
- 3. Solve for *x*: 5x 17 = 2x 5

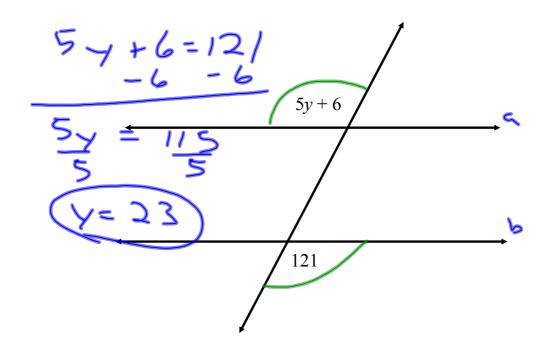
3-3 Proving Lines are Parallel

Check postulate #16 and theorems 3.4 - 3.6

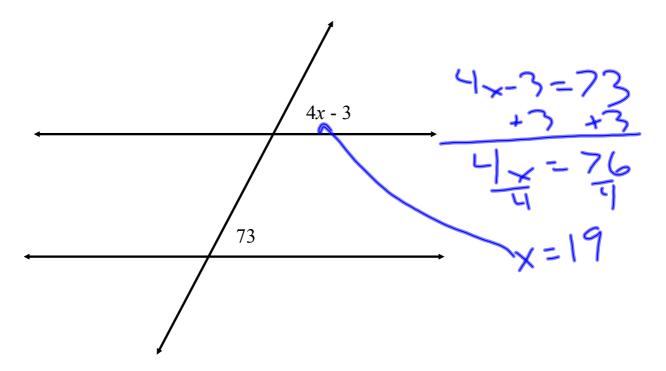


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Ex 1 Find the value of y that makes line a parallel to line b



Ex 2 Find the value of x that makes line a parallel to line b



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Ex 3 Write a two column proof.

Given: angles 1 and 4 are supplementary
Prove: line a is parallel to line b

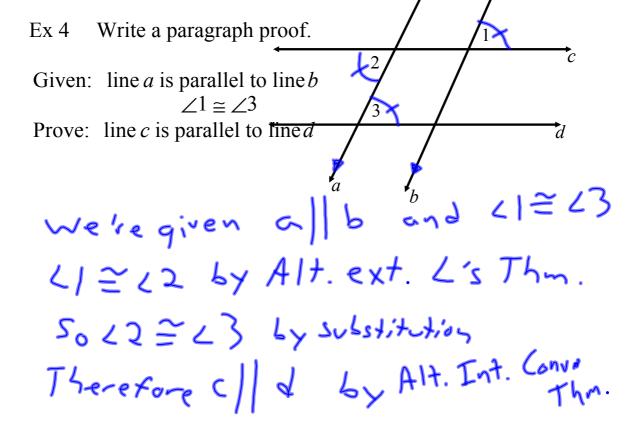
Statements

Line Property

MLI + mLI = 180°

MLI = MLI = 180°

ML



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Ex. 5 On a ladder, each rung is parallel to the rung directly above it. Explain why the top rung is parallel to the bottom rung.

Bring a camera tomorrow!