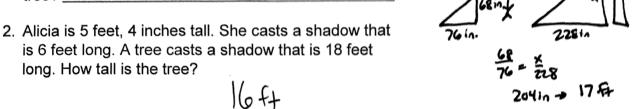
Using Proportional Relationships

Practice and Problem Solving: A/B

DRAW A PICTURE for each situation.

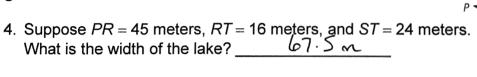
1. Jim is 5 feet, 8 inches tall. He easts a shadow that is 6 feet, 4 inches long. A tree casts a shadow that is 19 feet long. How tall is the tree?

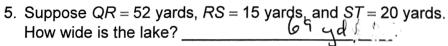


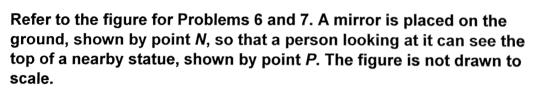
3. Explain why the triangles in your picture with Alicia are similar.

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		~ A A						

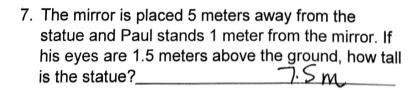
Refer to the figure for Problems 4–6. In the figure, \overline{PQ} represents the width of a lake. \overline{PQ} and \overline{ST} are parallel. The figure is not drawn to scale.

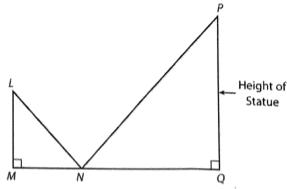






6. The mirror is placed 30 feet away from the statue, and Jean stands 5 feet from the mirror. If her eyes are 5 feet, 6 inches above the ground, shown by \overline{LM} , how tall is the statue?





Width of

lake