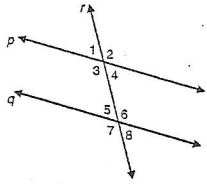


What's Your Proof? Angle Postulates and Theorems

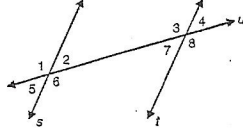


1. Use the given information to determine the measures of each of the numbered angles.

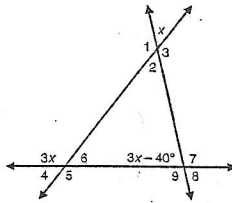
a. $p \parallel q$ and $m\angle 1 = 54^\circ$



b. $s \parallel t$ and $m\angle 1 = 137^\circ$



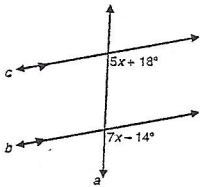
2. Write an expression for the measure of each numbered angle in the figure.



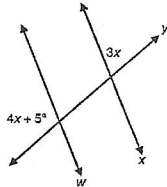
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3. Solve for x in each figure.

a.



b.



4. Suppose that two parallel lines are intersected by a transversal and all corresponding angles are supplementary. How is this possible? Sketch and label a figure to support your answer.

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