Solving Geometry Problems

A. The length of a rectangular swimming pool is twice the width. If the perimeter is 120 feet, find the length and the width.

Unknowns:	l = length	Equations:	l = 2w
	w = width		120 = l + l + w + w

B. If the perimeter of a rectangle is 278 meters and the length is 1 meter longer than twice the width, find the length and the width.

Unknowns:	l = length	Equations:
	w = width	

C. Find the measures of two supplementary angles if angle x is one-third the measure of angle y.

Unknowns:	x = measure of angle x	Equations:	x + y = 180
	y = measure of angle y		x = 1/3 y

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