**Problem 184**

By Dave Lindell, L.S.

CQ is the bisector of angle ACB. What is the length of AB?

**Problem 185**

By Benjamin Bloch, Ph.D.

* Let $a = b$
* Then $a^2 = ab$
* And $a^2 - b^2 = ab - b^2$
* Thus, $(a + b)(a - b) = b(a - b)$
* So that $(a + b) = b$
* Therefore $a + a = a$
* And $2a = a$
* Therefore $2 = 1$.

* Not my original problem.

Solutions are on our website at www.profsurv.com

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