



## Problem of the Week

### Problem D

#### Find that Angle

A circle with centre  $C$  has a diameter  $PQ$  and radius  $CS$ . Chord  $PR$  intersects  $CS$  and chord  $SQ$  at  $A$  and  $B$ , respectively. If  $\angle CAP = 90^\circ$ ,  $\angle RPQ = 24^\circ$ , and  $\angle QBR = x^\circ$ , then determine the value of  $x$ .

