

**73** Convert  $40^\circ 55' - 29^\circ 11' = 11^\circ 44'$  to radians:  $\left[ 11^\circ + \left( \frac{44}{60} \right)^\circ \right] \left( \frac{\pi}{180^\circ} \right) \approx 0.2048.$

Then  $s = 3955(0.2048) \approx 809.93 \approx 810$  mi.