

Scratch

August-30-12
11:03 AM

$d, a:b$

$$A = d \cdot \frac{a}{\sqrt{a^2+b^2}} \cdot d \cdot \frac{b}{\sqrt{a^2+b^2}} = d^2 \frac{ab}{a^2+b^2}$$

$$5.3^2 \frac{160}{356} = 5.3^2 \cdot 0.4494 = 12.6247191$$

$$5.5^2 \frac{144}{337} = 5.5^2 \cdot 0.4272 = 12.9258$$

A gain of 2.3949%: Silly.