**Catching the Perfect SAR Waves: Radar System Evaluation**

**Instructions: Using your “Radar” System find the missing distance. Verify the distance using the Pythagorean Theorem. Provide both answers then calculate the percent error.**

**Formulas:** $Pythagorean Theorem: a^{2}+b^{2}=c^{2}$

$$Percent Error=\left(\frac{Theoretical Value-Experimental Value}{Theoretical Value}\right)× 100$$

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**Note: Experimental Values will vary slightly based on sensor calibration.**