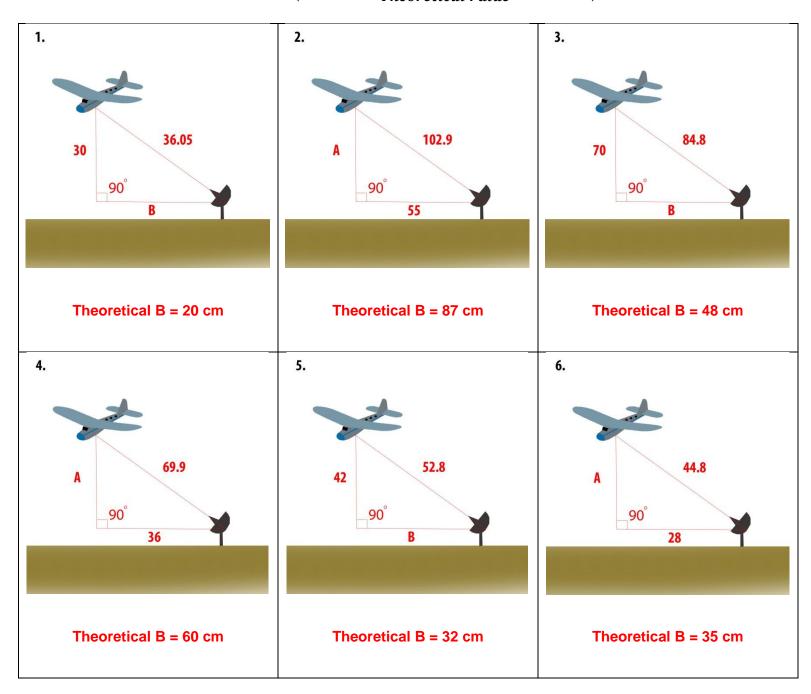
## Catching the Perfect SAR Waves: Radar System Evaluation ANSWER KEY

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*:  $a^2 + b^2 = c^2$ 

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



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