

Name: _____

Water Rocket

Use this sheet to help you find the altitude of your rocket. Follow the directions below:

1. Get at least 5 different angles from your fellow students. _____

+ _____

Total _____

2. Divide the angle total, by 5. (_____) \div 5 = _____ *Average Angle*

3. Now go to the chart and find the **tangent** of your average angle. _____

4. Take the tangent of your average angle, and multiply it by 30 (meters).

(_____) \times 30 = _____ altitude in meters

5. Convert meters to feet:

(_____) \times 3.28 = _____ altitude in feet.

6. Final Altitude: _____ feet