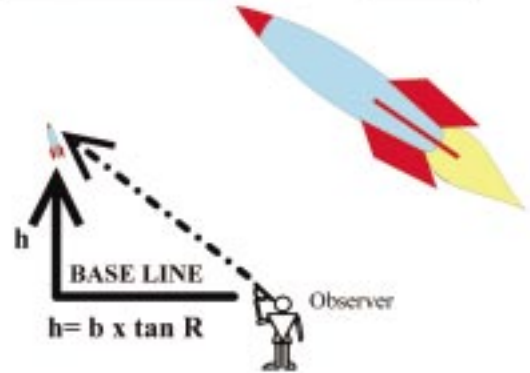
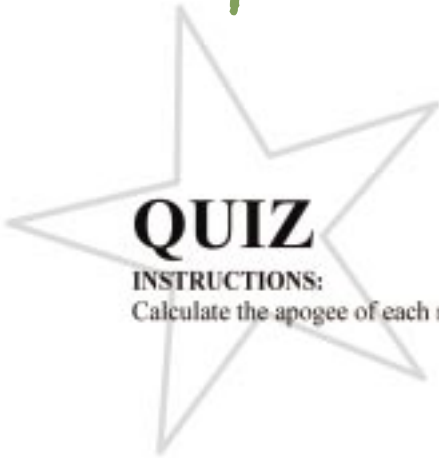


Cheapo Aerospace Technology

NAME _____
 DATE _____ HOUR _____



Calculations:

1. Subtract the angle measurement from 90° to obtain the correct angle and record it above.
2. Find the tangent (tan) of the angle (R) in the tangent table and multiply this by the baseline (b). The result is the height of the object.

<u>Object</u>	<u>Baseline (b)</u>	<u>Angle</u>	<u>90-angle=R</u>	<u>Height = b x tan R</u>
1. <u>Rocket #1</u>	<u>30 m</u>	<u>50</u>	_____	_____
2. <u>Rocket #2</u>	<u>15 m</u>	<u>175</u>	_____	_____
3. <u>Rocket #3</u>	<u>15 m</u>	<u>125</u>	_____	_____
4. <u>Rocket #4</u>	<u>30 m</u>	<u>145</u>	_____	_____
5. <u>Rocket #5</u>	<u>15 m</u>	<u>160</u>	_____	_____
6. <u>Rocket #6</u>	<u>30 m</u>	<u>105</u>	_____	_____
7. <u>Rocket #7</u>	<u>15 m</u>	_____	<u>5</u>	<u>1.31 m</u>
8. <u>Rocket #8</u>	<u>5 m</u>	_____	<u>45</u>	_____
9. <u>Rocket #9</u>	<u>30 m</u>	_____	<u>50</u>	_____
10. <u>Rocket #10</u>	<u>15 m</u>	_____	<u>75</u>	_____