Math 3 Scavenger Hunt

Name: Per:

To earn extra credit, every problem must be solved. No physical papers will be accepted!! I recommend solving the problems on paper and then taking a picture of all the work. Make sure it is legible! Share the document or email the picture to me [phernandez@ramonausd.net](mailto:phernandez@ramonausd.net).

**All pictures have you in it** (limit 3 people). All work for the problems must be shown.

**Due on June 1**.

Pictures:

1. Take a picture with a non-right triangle in the real world. (Limit 2 pictures)
2. Take a picture with a right triangle in the real world. (Limit 2 pictures)
3. Take a picture with an object that would create a sine or cosine wave in the real world. (Limit 2 pictures)
   1. Describe why it would create the wave.
4. Take a picture with an object that would be increasing/decreasing exponentially in the real world. (Limit 2 pictures)

Problems: (Limit 2 problems) The funnier the better!

1. Write a word problem that would require the Law of Sines or Law of Cosines to solve. Solve it!
2. Write a word problem that involves creating a polynomial function. Solve it!