

Maple Project #2@  
+20 points (-40 if not completed)

Due Wednesday, June 3rd

Name: \_\_\_\_\_

**Last name: A – L**

Find the following:

1)  $\int \sqrt{7+x^2} dx$

2)  $\int \frac{x^2}{\sqrt{16+x^2}} dx$

3)  $\int \frac{x^2}{\sqrt{10-x^2}} dx$

4)  $\int (9-x^2)^{\frac{3}{2}} dx$

5)  $\int x^2 \sqrt{x^2-25} dx$

**Last name: M - Z**

Find the following:

1)  $\int x^2 \sqrt{x^2+25} dx$

2)  $\int \frac{dx}{x\sqrt{16+x^2}}$

3)  $\int \frac{\sqrt{12-x^2}}{x^2} dx$

4)  $\int \sqrt{x^2-7} dx$

5)  $\int \frac{x^2}{\sqrt{x^2-16}} dx$