Ground Rules for Group Work

- We all bring different perspectives and have different strengths to contribute
- Mathematics is not a competitive sport
  In-class work is not a race
- If you understand, then you should be able to explain your reasoning
- If you are uncertain, ask questions!
  Mostly likely others have the same questions
- *Listen*
- There is value in productive struggle

Evaluate the following

1. $\int x^4 - 3x^3 + \pi \; dx$
2. $\int \cos(3x) \; dx$
3. $\int e^x + \frac{1}{x} \; dx$
4. $\int 3x^2(x^3 + 3)^5 \; dx$
5. $\int \sec(5x)^2 \; dx$
6. $\int \sec(2x)\tan(2x) \; dx$
7. Find the area of the region bounded by the graphs of $y = 3x + 6$ and $y = x^2 - 2x$
8. $\int_{-2}^{2} \sin(x^3 + x) \; dx$
9. $\int \sin(x)e^{\cos(x)} \; dx$
10. $\int x\sqrt{x+1} \; dx$