

## Math 1118 Homework

Use your calculator to find each of the following:

1.  $3 \cdot 6 + 7^3$

2.  $\frac{\pi}{3^4 - 5}$

3.  $e^4$

4.  $5^5 - 10^3 + 8!$

5.  $|6 - 8\pi|$

6.  $10^{\log 5}$

7.  $e^{\ln 3}$

8.  $8 + \frac{\pi}{6}$

9.  $\frac{8 + e}{6}$

10.  $\sqrt[3]{-3} + 1.6^3$

11.  $\left(\frac{5}{6}\right)^{-7.2}$

12.  $\frac{8!}{7! - 5!}$

13.  $3(8 + 2 \log 6)$

14.  $8^{\sqrt[3]{6}}$

15.  $2 \sqrt{\left|5 - \frac{216.3}{e^2}\right|}$

16. Evaluate  $3x^4 - 5x^2 + \log(3x - 1)$  at      a) 2   b) 6   c) 0

Solutions (If you find any mistakes in my solutions, let me know!)

1. 361

2. .041336745442

3. 54.5981500331

4. 42445

5. 19.1327412287

6. 5

7. 3

8. 8.5235987756

9. 1.78638030474

10. 2.65375042969

11. 3.71675042212

12. 8.19512195122

13. 28.6689075023

14. 43.7545692337

15. 9.85353170474

16. a)  $\approx 28.69897$

b)  $\approx 3709.23$

c) undefined (Note: The calculator doesn't say this!)