

Name _____

Homework 22

Section 5.5

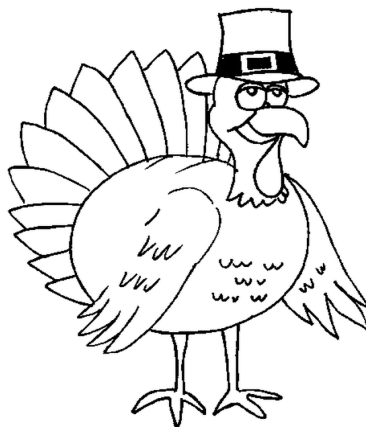
1. (4) Solve the equation $e^{5x+6} = 8e^{3x}$. Give both the exact solution, and an approximation to the nearest 0.001.

2. (4) Solve the equation $\log_2(5 - x) + \log_2(4 + x) = 3$.

3. (4) Determine the solution(s) to the equation $\log_6(1 - x) + \log_6(2 - x) - 1 = 0$.

4. (4) Solve the equation $8^x = 3^{x+2}$. Give both the exact solution, and an approximation to the nearest 0.0001.

5. (4) Find the exact solution(s) to the equation $\log(2x + 1) + 3 = 5 + \log(3 - x)$.



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Look... a turkey!