

NAME: _____

HOMEWORK 7.1

DATE: _____

JCC MAT 1710

Graph the region bounded by the graphs of the algebraic functions and find the area of the region.

1. $y = x^4, y = 1$

2. $y = x^2, y = x^3$

3. $y = x^4, y = 0, x = 1$

4. $y = x^2, y = 8 - x^2$

5. $y^2 = 4x, y = 2x - 4$ (Hint: You must integrate with respect to 'y')

6. $x = 0, x = -2, y = e^x, y = 0$

7. $y = |3 - x|, x = -1, x = 5, y = 0$