



Thursday, Oct. 7

Sec. 3.8 p. 200

7, 9, 13, 23, 25b, 29b, 45, a, b, c at right

(Hint to a: You will need to use a trig identity to get this one fully simplified!)

a) Find $\frac{dy}{dx} \cdot x^2 = \frac{\cot y}{1 + \csc y}$

b) Find $\frac{dx}{dy} \cdot 3x^5y^2 + y^3 = 4x^5 - 5$

c) Find $\frac{dr}{dp} \cdot 6p^3 - 4r^8 = 7 + \frac{5}{w^2}$

Tuesday, Oct. 12

Sec. 3.7 p. 192

48, 59, 60, 73

Sec. 3.8 p. 200

17

Sec. 3.9 p. 211

10, 15, 22, 23, 27, 44, 45, 47,

49, 55, a, b

Find $\frac{dy}{dx}$. a) $y + \ln(xy) = 1$ b) $y = x^2 \log_2(3 - 2x)$ (Do not simplify.)

Thursday, Oct. 14

Sec. 3.10 p. 221

7, 11, 14, 18, 20, 22, 27

Sec. 4.7 p. 307

15, 27, 30, 35, 40, 41, 43, 44

Monday, Oct. 18

Sec. 4.7 pp. 307-308

46, 47, 49, 51, 53, 55, 56, 57,

85, 88, 92, 97, 99

Wednesday, Oct. 20

Review Derivatives of Special Functions
& L'Hopital's Rule

Journal Due

Friday, Oct. 22

Derivatives of Special
Functions Test

Portfolios Due Next Class