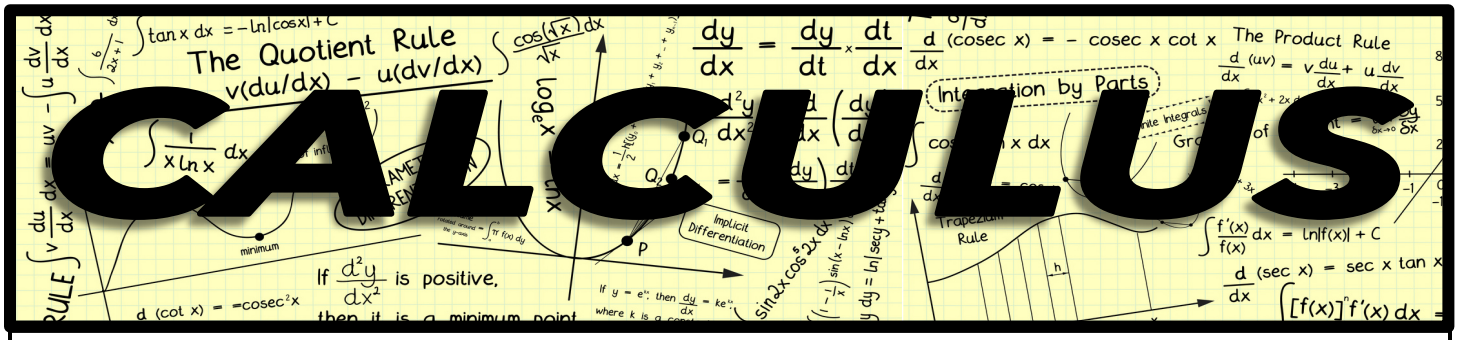

Thursday, Oct. 5

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 $\frac{dy}{dx}$. $x^2 = \frac{\cot y}{1+\csc y}$

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

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

Tuesday, Oct. 10

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. 12

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. 16

Sec. 4.7 pp. 307-308
46, 47, 49, 51, 53, 55, 56, 57, 85, 88, 92, 97, 99

Wednesday, Oct. 18

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

Journal Due

Friday, Oct. 20

Derivatives of Special Functions Test

Portfolios Due Next Class