Homework 9

Use the pdf problem set posted to the website, as the numbering may differ from that of the text. **Show your work and explain your reasoning.**

Practice (Attempt these before attending recitation)

(1) DMC Problem 22.7
(2) DMC Problem 22.14(d)
(3) DMC Problem 22.17
(4) DMC Problem 23.15 (d)
(5) DMC Problem 23.21
(6) DMC Problem 23.14

Recitation Lab (TA works these out in lab)

(1) DMC Problem 22.8 (e), (g)
(2) DMC Problem 22.18
(3) DMC Problem 22.30
(4) DMC Problem 22.39
(5) DMC Problem 23.15 (f)
(6) DMC Problem 23.35
(7) DMC Problem 23.36 (show that the number of times is $O(\log_2(xy))$ for $x, y \in \mathbb{N}$)

Problems (Submit solutions)

(1) [**15**] DMC Problem 22.22 (d), (e)
(2) [**15**] DMC Problem 22.23 (b)
(3) [**15**] DMC Problem 22.37
(4) [**10**] DMC Problem 23.1 (explain)
(5) [**10**] DMC Problem 23.3 (use regular expressions)
(6) [**10**] DMC Problem 23.15 (h) (justify your answers)
(7) [**15**] DMC Problem 23.30 (c)
(8) [**10**] DMC Problem 23.34