Written assignments to hand in.

Sec P4 68, 80
Due Friday 9/8

Sec P5 70, 78
Due Monday 9/11

Sec P6 49, 54, 72
Due Wednesday 9/13

Discussion Problems
From the department syllabus
These are not to hand in.

Section P5, P6, P7

WebAssign

Sections P5+P6
Due wednesday 9/13
by 9pm.

Section P5

add together and simplify

(21) $(5x^3+4x^2-3x)-(x^2+7x+2)=$

$5x^3+4x^2-3x-x^2-7x-2=$

$\boxed{5x^3+3x^2-10x-2}$

(27) $2(2-5t)+t(t+10)=$

$4-10t+t^2+10t=$

$\boxed{t^2+4}$

multiply and simplify

(33) $(x-3)(x+5) =$

$x^2 - 3x + 5x - 15 =$

$\boxed{x^2 + 2x - 15}$

(45) $(5x+1)^2 = (5x+1)(5x+1) = 25x^2 + 5x + 5x + 1 = \boxed{25x^2 + 10x + 1}$

(57) $(3x-4)(3x+4) =$

$9x^2 - 12x + 12x - 16 = \boxed{9x^2 - 16}$

General Form

$(a+b)(a-b) = a^2 - b^2$

General Form

$(a+b)^2 = a^2 + 2ab + b^2$

(63) $(y+2)^3 = (y+2)(y+2)(y+2) = (y^2 + 4y + 4)(y+2)$

$= y^3 + 2y^2 + 4y^2 + 8y + 4y + 8$

$\boxed{= y^3 + 6y^2 + 12y + 8}$

(69) $(2x-5)(x^2 - x + 1) =$

$2x^3 - 2x^2 + 2x - 5x^2 + 5x - 5 =$

$\boxed{2x^3 - 7x^2 + 7x - 5}$

$$\begin{array}{r} x^2 - x + 1 \\ 2x - 5 \\ \hline -5x^2 + 5x - 5 \\ 2x^3 - 2x^2 + 2x + 0 \\ \hline 2x^3 - 7x^2 + 7x - 5 \end{array}$$