Solution to Assignment 1c

B1(a)
$$(3+4x-2x^2+5x^3)-(1-2x+5x^3) =$$

B1(b)
$$(-2)(2+x+x^2+3x^3-x^4) = ((-2)(2)) + ((-2)(1))x + ((-2)(1))x^2 + ((-2)(3))x^3 + ((-2)(-1))x^4 = -4 - 2x - 2x^2 - 6x^3 + 2x^4$$

B1(d)
$$3(1+x+x^3) + 2(x-x^2+x^3) = (((3)(1)) + ((3)(1))x + ((3)(1))x^3) + (((2)(1))x + ((2)(-1))x^2 + ((2)(1))x^3) = (3+3x+3x^3) + (2x-2x^2+2x^3)$$

B1(e)
$$0(1+3x^3-4x^4) = ((0)(1))+((0)(3))x^3+((0)(-4))x^4 = 0+0x^3+0x^4 = 0$$