4.2 – day 2 – Extra Practice

Solve the following equations :
a) $15x^{5}(2x-3)^{2}+45x^{3}(2x-3)^{3}+30x^{3}(2x-3)^{2}=0$

b) $(x^{2}+3)^{2}-8(x^{2}+3)+7=0$

c) $4(x+2)^{2}(x-1)^{3}-12(x+2)^{3}\left(x-1\right)+4\left(x+2\right)^{2}\left(x-1\right)\left(x+9\right)=0$

d) $(x^{2}-2x)^{2}-\left(2x-4\right)^{2}=0$

e) $(x+3)^{4}-5(x+3)^{2}+4=0$