Factorise:

$$A=9x^{3}-27x^{2}+3x$$

$$B=\left(x+1\right)^{2}-2\left(x+1\right)$$

$$C=\left(3x+1\right)\left(2x-3\right)-\left(2x-3\right)\left(5x+7\right)$$

$$D=5x\left(2x-3\right)-15\left(2x-3\right)^{2}$$