Number Revision 5			
(a)	(b)	(c)	(d)
Evaluate: (a) $36^{3/2}$ (b) $64^{-2/3}$	$A = 2^3 \times 5^4 \times 7^2 \times 13$ $B = 2^5 \times 5 \times 7^5 \times 11$ (a) Find the highest common factor (HCF) of A and B	Calculate $ \underbrace{(5.2\times10^{61})\times(8.7\times10^{75})}_{ 2.6\times10^5} $ giving your answer in standard form	Use an algebraic method to show that $0.6\dot{2}\dot{1}=\frac{^{41}}{^{66}}$
(c) $32^{4/5}$	(b) Find the lowest common multiple (LCM) of $2A$ and $5B$		
Rationalise the denominator of $\frac{5+\sqrt{12}}{2-\sqrt{3}}$ giving your answer in the form $a+b\sqrt{3}$	(f) $a = 5 \text{ correct to the nearest integer, } b = 20 \text{ correct to 1}$ significant figure and $c = 7.5$ correct to 1 decimal place. Find the upper and lower bounds of $\frac{b-c}{a}$	Write $\frac{8^3 \times \sqrt{4^{10}}}{16^{3/2}}$ as a single power of 2	Una invested \$4000 at a compound interest rate of $x\%$. After 7 years, her investment is worth \$4787.31. Find the value of x .