## Nature of the Roots

1) If the quadratic equation $-6 m^{2}+2 \sqrt{3} m+n=0$ has unreal roots, what are the possible values of $n$ ?
2) Find the value of $r$ if the equation $9 a^{2}+r a+1=0$ has real roots

## Preview

3) 

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5) What are the values of $b$ if the quadratic equation $b c^{2}-6 \sqrt{2} c+2=0$ has real roots?

