MATH1061 Week 2 Tutorial

"Do you want to go to the maths tutorial or skip it?" "Yes."

5 March 2013

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Tutorial questions will come from {Assignments, "Exercises" boxes in workbook, my brain}.

Logical Statments

What is the logical negation of each of these statements? Which is true - the original statement or its negation? (Check by seeing that the other one is false)

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1. Our tutorial is in the Priestley building, or you have to submit your assignments in the Priestley building.

2. If pigs can fly, then Mr. Burns will donate a million dollars to the local orphanage.[1]

3. If there are Engineering students in the Hawken building, then there will be a Discrete Maths lecture on Wednesday morning.

4. If the sky was pink, then the sky would be blue.

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Conditionals

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1. To rain, it suffices that Jackson has his umbrella at uni.
2. If it is raining, then Jackson brought his umbrella.
3. If Jackson doesn't have his umbrella, then it's not raining.
4. If it's not going to rain, Jackson didn't bring his umbrella.
5. It's necessary that Jackson has his umbrella for it to rain.
6. A rainy forecast causes Jackson to bring his umbrella to uni.