

### First Translation Exercise

Name: \_\_\_\_\_

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Translate the following English sentences into Propositional Logic. Use ">" for the horseshoe and "iff" for the triplebar.

1. My father taught me to work, but not to love it. (Abraham Lincoln)
2. Kindness is in our power, but fondness is not. (Samuel Johnson)
3. But if you wisely invest in beauty, it will remain with you all the days of your life. (Frank Lloyd Wright)
4. It is not poetry, if it make no appeal to our passions or our imagination. (Samuel Taylor Coleridge)
5. Size is not grandeur, and territory does not make a nation. (Thomas H. Huxley)
6. If you build a castle in the air, you won't need a mortgage. (Philip Lazarus)
7. The mind itself, like other things, must sometimes be unbent or else it will be either weakened or broken. (Philip Sidney)
8. If you don't get what you want, it is a sign either that you did not seriously want it, or that you tried to bargain over the price. (R. Kipling)
9. The forces of a capitalist society, if left unchecked, tend to make the rich richer and the poor poorer. (J. Nehru)
10. Action does not always bring happiness, but there is no happiness without it. ( Benjamin Disraeli)
11. There is no heavy industry in the eastern or northern regions.
12. Either the theory of the supply-siders is right and that of the traditional economists is wrong, or the theory of the traditional economists is right and that of the supply-siders is wrong.
13. Provided, but only provided that two members make an objection in writing, the chairman is obliged to reopen the question of Smith's membership if Smith still wants to join the club.
14. I'll go to the store unless we already have milk in the fridge.

15. If you are happy, then either both Fred and Jane are unhappy, or Tod is happy just in case Mary is.

Check your answers (after submitting!)