MATH 135 HOMEWORK - Week 5

MATH 135: First Steps into Advanced Mathematics Due February 17, 2017 at 2:00pm	Name (Print):
Remember that you may NOT discuss this assignment v	with others!
Consider the theorem: For all integers x , if 4 does not d	ivide x^2 , then x is odd.
(Note that your answers below should be specifically ments in general. In other words, if you want to say "a tell me what the hypothesis is. So you should say "ass' statement above.)	ssume the hypothesis is true" you actually want to
(a) State your assumptions and final conclusion if th	is statement by direct proof.
(b) State your assumptions and final conclusion if pr	oving this statement by proof by contraposition.
(c) State your assumptions and final conclusion if pr	oving this statement by proof by contradiction.
(d) Write any definitions you need to prove the theory	rem.

