

Math 2A First Order ODE Practice: Identifying the Approach to Solving a DE

<u>To show that a DE is</u>	<u>first write it in the standard form</u> <u>(identify values of all</u> <u>constants & functions in template)</u>	<u>prove that</u>	<u>change standard form by</u>	<u>in new DE, prove that</u>
separable				
linear				
exact				
exact after integrating factor involving only x				
exact after integrating factor involving only y				
exact after integrating factor of form $x^a y^b$				
homogeneous				
Bernoulli				