

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>
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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