

Learning Objective:

- perform double integrals in standard coordinate systems

*Note: Page 2 and 3 has CHANGE of coordinate systems/variables*

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Key Equations:

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Notes (3+ sentences or ideas):

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Examples with explanations (2+):

*Include at least one example of each*

Learning Objective:

- perform double integrals by changing coordinate systems *Note: page 3 has changing order ( $x$  vs.  $y$ ) of integration.*
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Key Equations

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Notes (3+ sentences or ideas):

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Examples with explanations (2+):

Learning Objective:

- Understand Fubini's Theorem and change the order of integration when appropriate
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Key Equations:

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Notes (3+ sentences or ideas):

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Examples with explanations (2+):

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Learning Objective:

- apply Green's Theorem to evaluate line integrals over simple closed curves in the plane
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Key Equations:

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Notes (3+ sentences or ideas):

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Examples with explanations (2+):

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Two ADDITIONAL examples, expanding on any of the three main objectives, with explanations (2+):

You will not get credit for this page if you do not include explanations.