Differential Equation

Algebraic equation is the equation that doesn’t contain derivatives of y(y’,y’’,y’’’,….) in both sides

Example:

Differential equation is the equation that contain derivatives of y(y’,y’’,y’’’,….) in one or both sides

General form

Separation of variables

1)

2)

3)

4)

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5)

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6)

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Partial differentiation

1)

3)

when (x,y)=(1,4) 🡪(1.1,3.9)

2)