9.1 Solving Differential Equations

Edfinity

Rogawski

9.1.4

- Match each differential equation to a function which is a solution.

A. $y = 3x + x^2$

B. $y = e^{-5x}$

C. $y = \sin(x)$

D. $y = x^{.5}$

E. $y = \exp(6x)$

1. $2x^2 y'' + 3xy' = y$

2. $y'' + 7y' + 10y = 0$

3. $xy' - y = x^2$

4. $y'' + y = 0$

$$2x^2 y'' + 3xy' = y$$

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