

Start  
Match the DEs  
with their  
complementary  
functions

$$2\frac{dy}{dx} + 3y = 0$$

$y = Ae^{3x}$	$\frac{dy}{dx} - y = 0$	$y = Ae^x$	$y = Ae^{-\frac{1}{2}x}$	$2\frac{dy}{dx} + y = 0$	$y = Ae^{-\frac{3}{2}x}$
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$$\frac{dy}{dx} - 3y = 0$$

$$y = Ae^{\frac{2}{3}x}$$

$3\frac{dy}{dx} - 2y = 0$	$y = Ae^{-x}$	$\frac{dy}{dx} + y = 0$	$y = Ae^{-2x}$	$\frac{dy}{dx} + 2y = 0$	$y = Ae^{-\frac{2}{3}x}$
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$$3\frac{dy}{dx} + 2y = 0$$

$$y = Ae^{\frac{1}{2}x}$$

Finish	$y = Ae^{\frac{3}{2}x}$	$2\frac{dy}{dx} - 3y = 0$	$\frac{dy}{dx} - 2y = 0$	$y = Ae^{2x}$	$2\frac{dy}{dx} - y = 0$
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