



## Item Navigation

# Separable First-order Equations

Put the following equation in separated form. Do not integrate.

(a)  $\frac{dy}{dx} = \frac{x^2y - 4y}{x + 4}$

(b)  $\frac{dy}{dx} = \sec(y)e^{x-y}(1 + x)$

(c)  $\frac{dy}{dx} = \frac{xy}{(x + 1)(y + 1)}$

(d)  $\frac{d\theta}{dt} + \sin \theta = 0$

Note: Remember, you may check the solutions in the [lecture notes](#).

✓ **Completed**

**Go to next item**



Like



Dislike



Report an issue

