Equações Diferenciais: Gabarito
EDOs de 1a ordem Separáveis

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1. (a) $y = Ke^{2x}$
   (b) $y = Ke^{\frac{2}{3}x}$
   (c) $y = Ke^{2x} - \dfrac{1}{2}$
   (d) $y = Ke^{10x} - \dfrac{1}{5}$
   (e) $y = Ke^{-x} + \dfrac{1}{2}$
   (f) $y = Ke^{\frac{4}{3}x} + \dfrac{5}{4}$
   (g) $y = Ke^{-\frac{2}{3}x} - \dfrac{3}{4}$
   (h) $y = Ke^{\sqrt{3}x}$
   (i) $y = Ke^{2\pi x}$
   (j) $y = Kx$
   (k) $y = Ke^{x^2}$
   (l) $y = Ke^{\frac{x^3}{3}}$
   (m) $y = Ke^{\operatorname{sen} x}$
   (n) $y = Ke^{-x}x^x$
   (o) $y = Ke^{rx} - \dfrac{a}{r}$

2. (a) $y = \dfrac{1}{-x+K}$ ou $y = \dfrac{-1}{x+K}$
   (b) $y = \pm\sqrt{x+K}$
   (c) $y = \pm\sqrt{2x+K}$
   (d) $y = \pm\sqrt{x^2+K}$
   (e) $y = -\dfrac{2}{x^2+K}$
   (f) $y = -\dfrac{3}{x^3+K}$
   (g) $y = \pm\sqrt{2\ln x + K}$