Equações Diferenciais Ordinárias: Gabarito de Equações Lineares com coeficientes constantes

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1. (a) $y = Ke^{2x}$
   (b) $y = Ke^{15x}$
   (c) $y = Ke^{-3x}$
   (d) $y = Ke^{9x}$
   (e) $y = Ke^{\frac{1}{2}x}$
   (f) $y = Ke^{-\frac{1}{3}x}$
   (g) $y = Ke^{x}$
   (h) $y = Ke^{-x}$
   (i) $y = Ke^{2x}$
   (j) $y = Ke^{\frac{2}{3}x}$
   (k) $y = Ke^{\sqrt{3}x}$
   (l) $y = Ke^{2\pi x}$
   (m) $y = Ke^{rx}$
2. (a) $y = Ke^{2x} - \frac{1}{2}$
   (b) $y = Ke^{10x} - \frac{1}{5}$
   (c) $y = Ke^{-x} - 1$
   (d) $y = Ke^{x} + 1$
   (e) $y = Ke^{-x} + \frac{1}{2}$
   (f) $y = Ke^{\frac{4}{3}x} + \frac{5}{4}$
   (g) $y = Ke^{-\frac{2}{3}x} - \frac{3}{4}$
   (h) $y = Ke^{rx} - \frac{a}{r}$
3. (a) $y = \pm\sqrt{x + c}$
   (b) $y = \pm\sqrt{x^2 + c}$
   (c) $y = \frac{1}{x+c}$