1) $-u'' = \infty$ with u(0) = u(1) = 0 $u = -\frac{\infty^{3}}{6} + A\infty + C$; $u(0) = 0 \rightarrow C = 0$; $u(1) = 0 \rightarrow -\frac{1}{6} + A = 0$ $u = -\frac{\infty^{3}}{6} + A\infty + C$; $u(0) = 0 \rightarrow C = 0$; $u(1) = 0 \rightarrow -\frac{1}{6} + A = 0$ $u = -\frac{\infty^{3}}{6} + A\infty + C$; $u(\frac{1}{3}) = \frac{4}{81}$ $u(\frac{1}{3}) = \frac{1}{3}$ $u(\frac{1}{3})$