

\bullet $P(0) = 0.1$
 \bullet $P(1) = 0.2$
 \bullet $P(2) = 0.3$
 \bullet $P(3) = 0.4$
 \bullet $P(4) = 0.5$
 \bullet $P(5) = 0.6$
 \bullet $P(6) = 0.7$
 \bullet $P(7) = 0.8$
 \bullet $P(8) = 0.9$
 \bullet $P(9) = 1.0$

$x = 0.3e^{-t} + 0.7e^{-2t} + \ln(\cos t - \cos^2 t)$
 \bullet $P(1) = 0.2$
 \bullet $P(2) = 0.3$
 \bullet $P(3) = 0.4$
 \bullet $P(4) = 0.5$
 \bullet $P(5) = 0.6$
 \bullet $P(6) = 0.7$
 \bullet $P(7) = 0.8$
 \bullet $P(8) = 0.9$
 \bullet $P(9) = 1.0$

\bullet $x = K \sin(t + \alpha)$
 \bullet $x(0) = 0$
 \bullet $x'(0) = 1$
 \bullet $K \cos(\alpha) = 0$
 \bullet $K \sin(\alpha) = 1$
 \bullet $\alpha = \frac{\pi}{2}$
 \bullet $x = \sin(t)$

\bullet $x = K \sin(t + \alpha)$
 \bullet $x(0) = 0.1$
 \bullet $x'(0) = 0$
 \bullet $K \cos(\alpha) = 0.1$
 \bullet $K \sin(\alpha) = 0$
 \bullet $\alpha = 0$
 \bullet $x = 0.1 \sin(t)$

\bullet $P(0) = 0.1$
 \bullet $P(1) = 0.2$
 \bullet $P(2) = 0.3$
 \bullet $P(3) = 0.4$
 \bullet $P(4) = 0.5$
 \bullet $P(5) = 0.6$
 \bullet $P(6) = 0.7$
 \bullet $P(7) = 0.8$
 \bullet $P(8) = 0.9$
 \bullet $P(9) = 1.0$