

28-03-2019

$$F(x) = \begin{cases} c \cdot x^2 & 0 \leq x \leq 3 \\ 0 & x \leq 0 \\ 1 & x \geq 3 \end{cases}$$

$$1) \lim_{x \rightarrow 3^-} F(x) = F(3)$$

$$c = \frac{1}{3^2} = \frac{1}{9} //$$

$$2) F(2.611) - F(-1.865) = 0.7574801 //$$

$$3) p = 0.53$$

$$((0.53 + F(2)) / 1/9)^{1/2}$$

$$= \frac{42754}{14437} //$$