

# Exponential Parameters

$$X \sim \text{Exp}(1)$$

$$\text{Find } P(X \leq 0.8) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X \geq 0.63) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X < 1.1) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X > 1.07) = \underline{\hspace{2cm}}$$

$$\text{Find } P(0.03 < X < 0.82) = \underline{\hspace{2cm}}$$

$$X \sim \text{Exp}(2.8)$$

$$\text{Find } P(X \leq 2.0) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X \geq 0.26) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X < 0.97) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X > 0.05) = \underline{\hspace{2cm}}$$

$$\text{Find } P(0.10 < X < 0.41) = \underline{\hspace{2cm}}$$

$$X \sim \text{Exp}(0.4)$$

$$\text{Find } P(X \leq 4.0) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X \geq 1.24) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X < 0.99) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X > 3.62) = \underline{\hspace{2cm}}$$

$$\text{Find } P(0.37 < X < 1.75) = \underline{\hspace{2cm}}$$

$$X \sim \text{Exp}(0.06)$$

$$\text{Find } P(X \leq 8.3) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X \geq 10.6) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X < 12.4) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X > 16.8) = \underline{\hspace{2cm}}$$

$$\text{Find } P(7.0 < X < 14.0) = \underline{\hspace{2cm}}$$

$$X \sim \text{Exp}(1.37)$$

$$\text{Find } P(X \leq 2.3) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X \geq 0.74) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X < 1.29) = \underline{\hspace{2cm}}$$

$$\text{Find } P(X > 2.16) = \underline{\hspace{2cm}}$$

$$\text{Find } P(0.45 < X < 1.45) = \underline{\hspace{2cm}}$$