

## Solutions

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Each answer shows the steps, then the **result**.

### 2.1

- the number of trials until the first success

### 2.2

- $\mu_X = \frac{1}{0.25} = 4$

### 2.3

- $P(X = 1) = p$

### 3.1 B

### 3.2 B

### 3.3

(a)

- $\frac{1}{0.1} = 10$

(b)

- geometric