(a):
$$p(3-k) = \frac{ak}{(+a)^k}$$
 (b): $p(3-k) = \frac{ak}{(+a)^k}$ (c): $p(3-k) = \frac{ak}{(+a)^k}$ (c):

3. [1]:
$$p(3=0) = \frac{1}{h}$$
 $p(3=k) = \frac{1}{h-1} \cdot \frac{1}{h-2} \cdot \frac{1}{h-k} = \frac{1}{Ah-1}$
 $p(3=k) = \frac{1}{h-1} \cdot \frac{1}{h-2} \cdot \frac{1}{h-k} = \frac{1}{Ah-1}$
 $p(3=k) = \frac{1}{h-1} \cdot \frac{1}{h-2} \cdot \frac{1}{h-k} = \frac{1}{Ah-1} \cdot \frac{1}{h-2} \cdot \frac{1}{h-k} \cdot \frac{1}{h-1} \cdot \frac{1}{$

$$Z_{j}^{2} = \sum_{k=1}^{n} \sum_{n=1}^{n} \sum_{n$$

1 11: 78-140 = DINdr- (\$ = x (12 x dx - 0)

(2):
$$73 = \int_{-\infty}^{+\infty} x p(x) dx = \int_{0}^{+\infty} x^{2} dx + \int_{1}^{+\infty} (x^{2} - x^{2}) dx = \frac{1}{3}x^{3} \Big|_{0}^{+\infty} + (x^{2} - \frac{1}{3}x^{3}) \Big|_{1}^{+\infty}$$

$$= \frac{1}{3} + \frac{1}{3} = \Big|_{0}^{+\infty} x p(x) dx = \int_{-\infty}^{+\infty} \frac{x}{x^{2}} e^{-\frac{x}{x^{2}}} dx = \int_{-\infty}^{+\infty} \frac{x}{x^{2}} e^{-\frac{x}{x^{2}}} dx = \frac{1}{3}(x^{2} - x^{2}) + \frac{1}{3}(x^{2} - x^{2}) dx = \int_{-\infty}^{+\infty} \frac{x}{x^{2}} e^{-\frac{x}{x^{2}}} dx$$

$$= \frac{1}{3}(x^{2} - x^{2}) + \frac{1}{3}(x^{2} - x^{2}) = 0$$

$$4x + \frac{1}{3}(x^{2} - x^{2}) + \frac{1}{3}(x^{2} - x^{2}) = 0$$

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