Valor Esperdo y Varianza de una Oriforme [a,6].

$$| (x) - (x)|^{2} = (x^{2}) - (x^{2})^{2}$$

$$| (x) - (x)|^{2}$$

$$| (x)$$

$$|V_{cr}(x)|^{2} = \frac{1}{3} \frac{(b^{3}-a^{3})}{b-a} - \frac{(a+b)^{2}}{2}$$

$$= \frac{1}{3} \frac{(b^{3}-a^{3})}{b-a} - \frac{(a+b)^{2}}{4}$$

$$= \frac{4(b-a)(b^{2}+ba+a^{2}) - 3(b-a)(a+b)^{2}}{12(b-a)}$$

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$$= \frac{b^2 - 2ab + a^2}{12}$$