Nice fact:
$$Var(aXtb) = a^2 Var(X)$$

Where a, b constants, X random variable

$$V_{GC}(aX+b) = E((aX+b)^{2}) - (E(aX+b))^{2}$$

$$= E(a^{2}X^{2} + 2abX + b^{2}) - (aE(X)+b)^{2}$$

$$= a^{2}E(X^{2}) + 2abE(X) + b^{2} - (a^{2}(E(X))^{2} + 2abE(X) + b^{2})$$

$$= a^{2}(E(X^{2}) - (E(X))^{2})$$

$$= a^{2}V_{AC}(X).$$