2. LE[W(t)W(s)] = ? (OSSUME tass)

Hints 21 2な Brownian Motion of Martingale el 地震立...

3. Exponential Martingale

L Z(t) = e^{oW(t) - 1036} is martingale 303!

Mints [E[Z(t)|f(0)] = Z(s) el zote 401.

2ti silan 2013 2013/13. / N(t)-N(s) ~N(o.6-s) ole3 ngf 2013/20.

4. Lognomal process $\Delta (S(t) = \alpha S(t))dt + \sigma S(t)dW(t)$ $\Leftrightarrow S(t) = S(0)e^{(\alpha + \frac{1}{2}\alpha^{2})t} + \sigma W(t) \quad (\alpha. \sigma : Constant)$ $en S(t) \sim N(E[as(t)], Var[as(t)])$ $A, An S(t) \rightarrow W(t) on at sold with a sold with a$