Crossing lemma

Take a drawing $D$ of $G$. 
Crossing lemma

Include each vertex in $H$ independently with probability $p$. 
Crossing lemma

Leave all the edges on these vertices. Produce an induced drawing of $H$. 
What is the probability for a given edge to be in the random subgraph $H$? Options: $p, p^2, p^3, p^4$. 
What is the probability for a given crossing to be in the induced drawing of $H$? Options: $p, p^2, p^3, p^4$. 
What is the value of $R(2, t)$ for $t > 1$?
Is it true that $R(s, t) \geq R(G, H)$ for any $G$ on $s$ vertices and $H$ on $t$ vertices?
Is it true that $R(H_1, \ldots, H_k)$ is finite for any integer $k > 1$ and finite graphs $H_1, \ldots, H_k$?
What is the probability that on a given $t$-element subset of vertices we have a monochromatic clique? 

Options: \((\binom{t}{2})^{-1}, 2^{-(\binom{t}{2})}, 2^{1-t^2}, 2^{1-(\binom{t}{2})}, (\binom{n}{t})2^{1-t^2} \).