## **Group Meeting Problems August 5, 2009**

1) Propose a mechanism for the following transformation.

Si can be any silyl group.

2) Predict the product of the following reaction. In your answer, clearly show a catalytic cycle.

$$\begin{array}{c|c}
& \text{Br} & \overline{\phantom{a}} & \text{Si(i-Pr)}_3 \\
\hline
& N & \longrightarrow \\
& N & \longrightarrow \\
& N & \longrightarrow \\
& Pd(OAc)_2, \\
& Ag OTf
\end{array}$$
???