A graph is said to be isometrically embedded in $\mathbb{R}^d$ if it can be embedded so that the Euclidean isometries of the vertices are precisely the automorphisms of the graph. A set $S \subseteq V(G)$ is said to be a determining set if whenever two automorphisms agree on $S$ they agree on all of $V(G)$. This talk will introduce these two concepts and illuminate a connection between them. In particular, we will see that if a graph can be isometrically embedded in $\mathbb{R}^d$, then it has a determining set of size $d$. (Received September 25, 2005)