Let $G_1$ and $G_2$ be disjoint copies of a graph $G$, and let $f : V(G_1) \to V(G_2)$ be a function. Then a functigraph $C(G, f) = (V, E)$ has the vertex set $V = V(G_1) \cup V(G_2)$ and the edge set $E = E(G_1) \cup E(G_2) \cup \{uv \mid u \in V(G_1), v \in V(G_2), v = f(u)\}$. A functigraph is a generalization of a permutation graph (also known as a generalized prism) in the sense of Chartrand and Harary. We present general results on functigraphs, with emphasis on colorings and planarity. (Received September 22, 2010)