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In the past we have been using flag graphs and symmetry type graphs for studying certain operations on maps and their symmetries, such as truncation, dual, medial, chamfering, etc. Here we study similar operations on oriented maps. Certain new operations that can only be defined for oriented maps, such as snub, are also considered. In the oriented case the primary tools, ie. flag graphs and symmetry type graphs are substituted by arc graphs and oriented symmetry type graphs. (Received September 22, 2015)