Rigid Motion		Rigid Motion		Rigid Motion	Orient same?
reflection	o	reflection	⇒		
reflection	o	reflection	o	reflection ⇒	
horizontal translation	o	reflection	⇒		
non-horiz translation	o	reflection	⇒		
rotation	o	rotation	⇒		
rotation	o	reflection	⇒		
reflection	o	rotation	⇒		
rotation	o	translation	⇒		
translation	o	rotation	⇒		