MAT 203 -- Homework #6

Determine the indicated isometry compositions:

(1)

\[ R \circ r \] (clockwise 90° rotation \( r \) followed by clockwise 90° rotation \( R \))
$R \ast r$ (clockwise $90^0$ rotation $r$ followed by clockwise $90^0$ rotation $R$)
G\cdot M (reflection M followed by glide reflection G)
$G \cdot M$ (reflection $M$ followed by glide reflection $G$)
\(G \cdot g\) (glide reflection \(g\) followed by glide reflection \(G\))
$G*M$ (reflection $M$ followed by glide reflection $G$)
$R \ast M$ (reflection $M$ followed by counterclockwise $90^0$ rotation $R$)
$R \ast M$ (reflection $M$ followed by counterclockwise $90^\circ$ rotation $R$)
$G*R$ (clockwise $90^0$ rotation $R$ followed by glide reflection $G$)
G*R (clockwise 90° rotation R followed by glide reflection G)