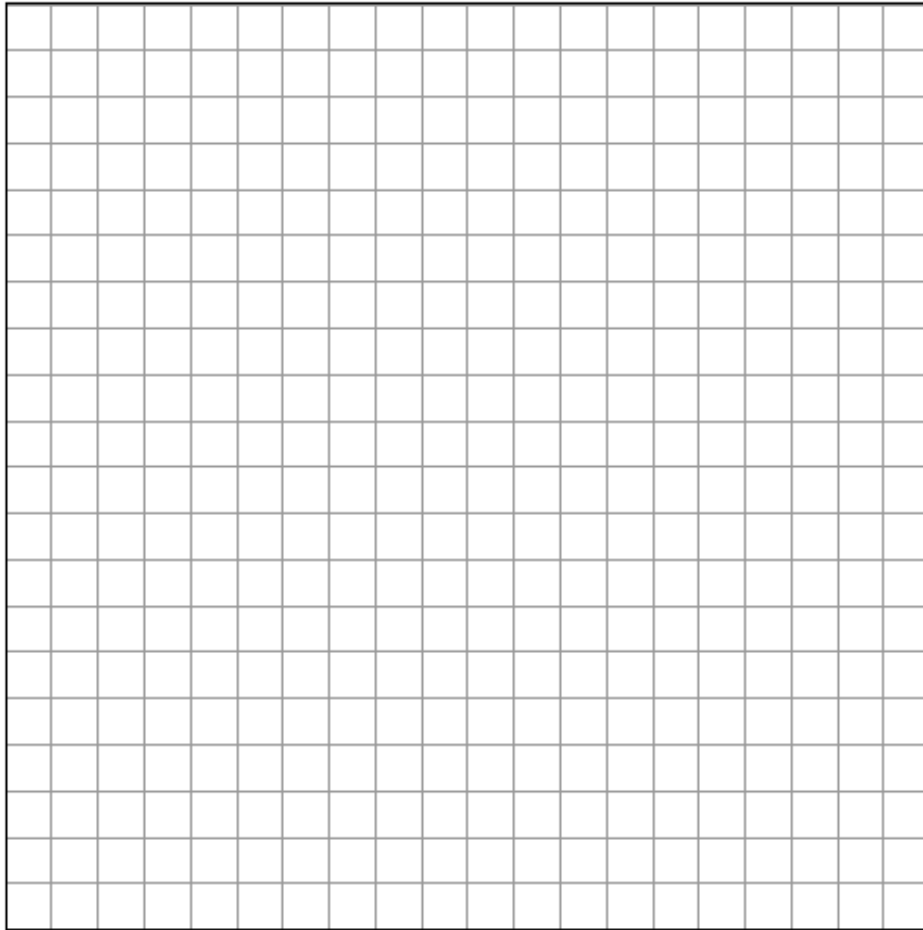


Dilations

1.
 - a. Graph $\triangle BIG$, with coordinates $B(2,2)$, $I(6,4)$ and $G(4,-2)$.
 - b. Graph $\triangle B'I'G'$, the image of $\triangle BIG$ under the transformation $D_{\frac{1}{2}}$.
 - c. Graph $\triangle B''I''G''$, the image of $\triangle B'I'G'$ under the transformation R_O .
 - d. What single transformation is the *composite* of the transformations in parts b and c?



2. The graph of the function $g(x)$ is shown on the accompanying set of axes. On the same set of axes, sketch the image of $g(x)$ under the transformation D_2

