Practice with isometries and function notations.



1. Draw the points f(X), g(X), $f \circ g(X) = f(g(X))$ and $g \circ f(X) = g(f(X))$

2. Use the isometries given to name 4 line segments that are congruent to \overline{AB}

3. Use the isometries given to name 4 angles that are congruent to $\angle ABC$

4. Given that $P \in L$, prove that *P* is a fixed point of $f \circ g$.

5. Given that $Q \in L$, prove that $g(f(S)) \in L$.