🅕 **Parallel and Perpendicular**

You will make one drawing for Questions 1–6. Read all the questions before you start. Use a ruler.

1. Draw a line segment on your paper and label the endpoints A and B.

2. Draw a line segment parallel to $\overline{AB}$ and label it $\overline{CD}$.

3. Draw a line segment, $\overline{EF}$, perpendicular to $\overline{AB}$ and intersecting $\overline{AB}$ and $\overline{CD}$.

4. Is $\overline{EF}$ also perpendicular to $\overline{CD}$? Why or why not?

5. Draw another line segment that is neither perpendicular to nor parallel to any of the others and label it $\overline{GH}$.

6. Carefully erase your letters and show your drawing to a friend. Have him or her show you a pair of parallel lines and a pair of perpendicular lines.

Drawing: