

Make compass and straight-edge constructions for each of the following:

1. Equilateral triangle on  $\overline{AB}$
2. Point G on  $\overline{EF}$  such that  $\overline{EG} \cong \overline{CD}$
3. Midpoint of  $\overline{HI}$
4. Perpendicular to line  $l$  through point J
5. Perpendicular to line  $m$  through point K

