

Geometry Warm-up  
Speed Constructions

Do the following constructions as quickly and accurately as possible:

- 1) Use a straightedge to draw an obtuse angle. Name it  $\angle OBT$ . Construct  $\angle CPY \cong \angle OBT$ . Bisect  $\angle CPY$  twice.
- 2) Use a straightedge to draw a segment  $AB$ . Locate its midpoint by construction.
- 3) Use a straightedge to draw a line "m". Label point  $P$  somewhere not on the line. Construct a perpendicular from point  $P$  to line "m".
- 4) Use a straightedge to draw line "n". Label point  $Q$  somewhere ON the line. Construct a right angle at point  $Q$ .
- 5) Construct a  $60^\circ$  angle.