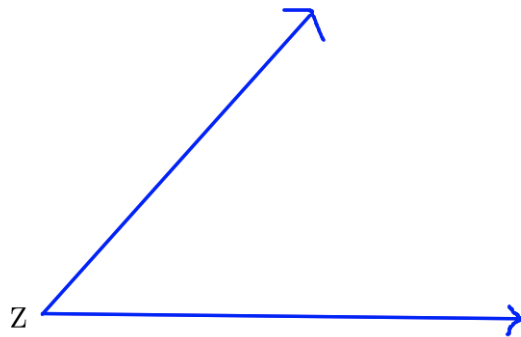


1. Construct the perpendicular bisector of \overline{AB} shown below. Leave all circular arcs/markings as evidence of proper construction.



2. Construct the angle bisector \overrightarrow{ZP} for $\angle Z$ below. Leave all circular arcs/markings as evidence of proper construction.



3. F is the midpoint of AD. $AF=4x+3$, $AD=2x+24$. What is the length of AD?

CO-A1a

- The part of a straight line connecting two points without extending beyond them describes what geometric term?
- Draw and label two rays with a shared endpoint M. One ray passes through N and the other passes through A.

CO-A1c

- Name the angle which is vertical to $\angle BCA$.
- Which of the following describe(s) $\angle GFH$ and $\angle CFH$ as an angle pair? Choose ALL that apply:
 complementary angles
 supplementary angles
 vertical angles
 adjacent angles
 linear pair
- Name a pair of complementary angles.

