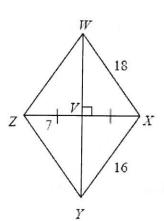
6.1 Practice Problems

- The Perpendicular Bisector Theorem states that if a point is on the perpendicular bisector of a segment, then it is
 from the endpoints of the segment.
- 2) The Angle Bisector Theorem states that if a point is on the bisector of an angle, then the point is equidistant from the _____ of the angle.

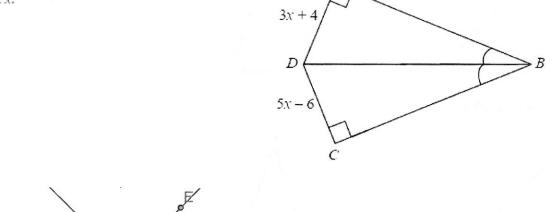
Use the figure at the right for exercises 3-6.

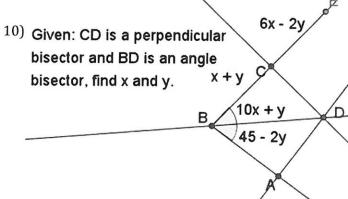
- 3) How is \overline{WY} related to \overline{ZX} ?
- 4) Find WZ
- 5) Find ZY
- 6) Find VX



Use the figure at the right for exercises 10-12.

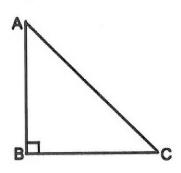
- 7) Find the value of x.
- S) Find AD
- 9) Find CD

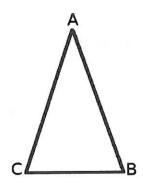


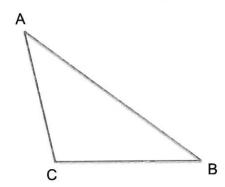


11) Construct each given segment on each triangle. Be sure to properly mark each picture.

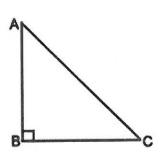
Angle Bisectors through angle A

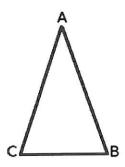


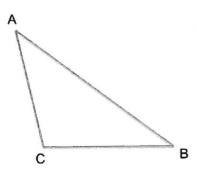




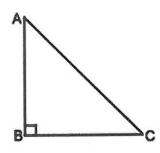
Perpendicular bisectors of segment BC



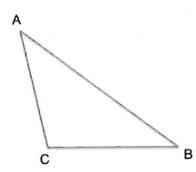




Altitudes through angle A







Medians through angle A

