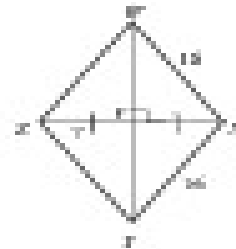


- 1) The Perpendicular Bisector Theorem states that if a point is on the perpendicular bisector of a segment, then it is \_\_\_\_\_ from the endpoints of the segment.
- 2) The Angle Bisector Theorem states that if a point is on the bisector of an angle, then the point is equidistant from the \_\_\_\_\_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

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

- 3) How is  $\overline{EF}$  related to  $\overline{ZT}$ ?
- 4) Find  $\angle FZT$ .
- 5) Find  $\angle FTZ$ .
- 6) Find  $\angle FTZ$ .



Use the figure at the right for questions 7-9.

- 7) Find the value of  $x$ .
- 8) Find  $\angle B$ .
- 9) Find  $\angle D$ .

