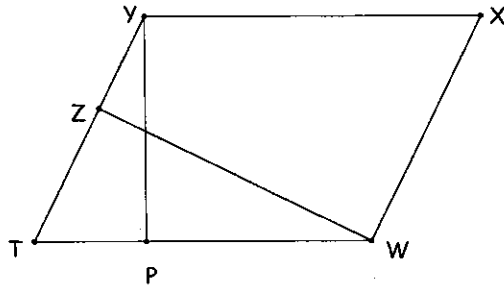


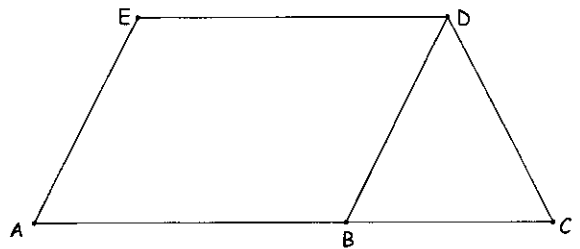
Worksheet 4

1. Given: $YTWX$ is a parallelogram;
 $\overline{YP} \perp \overline{TW}$; $\overline{ZW} \perp \overline{YT}$; $\overline{TP} \cong \overline{TZ}$
Prove: $TWXY$ is a rhombus



2. Given: Right triangle PQR with hypotenuse \overline{PR} . M is the midpoint of \overline{PR} .
Through M , lines are drawn parallel to the legs.
Prove: The quadrilateral formed is a rectangle.

3. Given: $ABDE$ is a parallelogram; \overline{BC} is the base of isosceles triangle BCD .
Prove: $ACDE$ is an isosceles trapezoid



Also do problems in your book on p. 259-262 (#13,21,22,25,26 - 29)