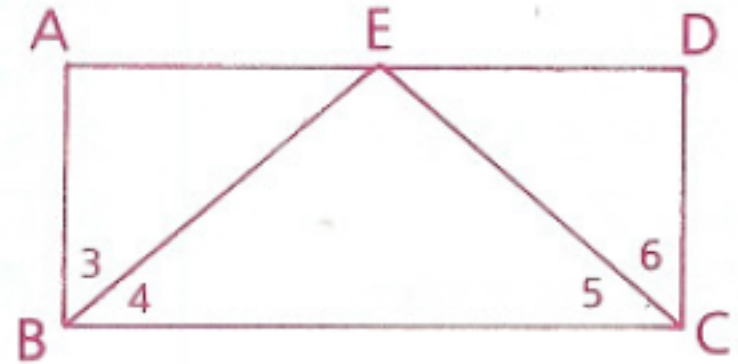


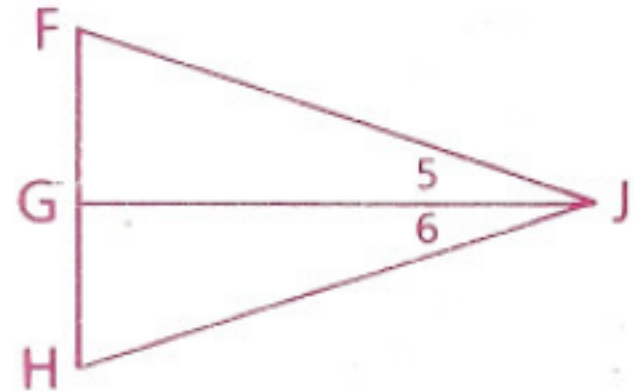
Homework

p.152: 4, 6, 11, 12, 16

- 4 Given: $\angle 3 \cong \angle 6$;
 $\angle 3$ is comp. to $\angle 4$.
 $\angle 6$ is comp. to $\angle 5$.
Prove: $\triangle EBC$ is isosceles.

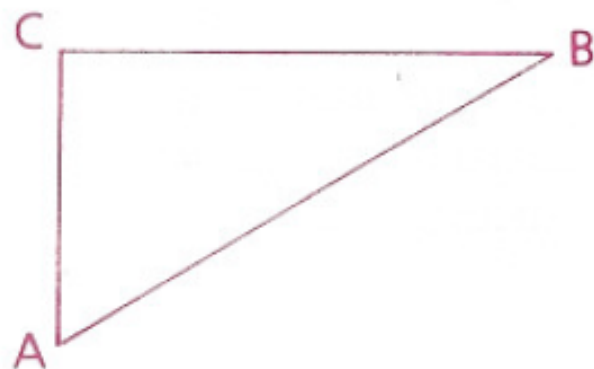


- 6 Given: $\angle 5 \cong \angle 6$;
 \overline{JG} is the altitude to \overline{FH} .
Prove: $\triangle FJH$ is isosceles.



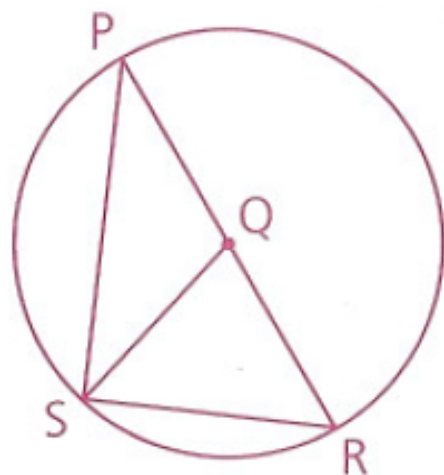
- 11** Given: $\overline{AC} \perp \overline{BC}$,
 $\angle C = (3x)^\circ$,
 $BC = x + 20$,
 $AC = 2x - 20$

Is $\triangle ABC$ isosceles?



- 12** Given: $\odot Q$,
 $\overline{PS} \perp \overline{SR}$,
 $\angle P = 36^\circ$

Find: **a** $\angle PSQ$
b $\angle R$



- 16** Given: $\overline{PR} \cong \overline{ST}$,
 $\overline{NP} \cong \overline{VT}$,
 $\angle P \cong \angle T$

Prove: $\triangle WRS$ is isosceles.

