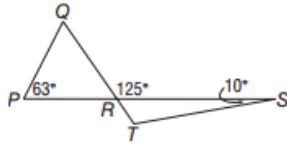
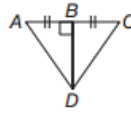


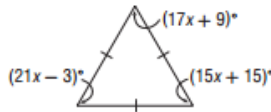
1. Find  $m\angle PQR$ . (Lesson 4-2)



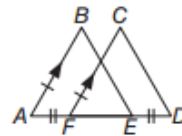
2. Which postulate or theorem can be used to prove  $\triangle ABD \cong \triangle CBD$ ? (Lesson 4-4)
- A SAS  
B ASA  
C SSS  
D AAS



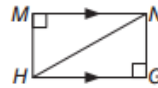
3. Find  $x$ .



4. If  $\overline{AF} \cong \overline{DE}$ ,  $\overline{AB} \cong \overline{FC}$  and  $\overline{AB} \parallel \overline{FC}$ , which theorem or postulate can be used to prove  $\triangle ABE \cong \triangle FCD$ ?
- A AAS  
B ASA  
C SAS  
D SSS



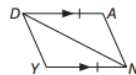
5. Which triangles are congruent in the figure?
- F  $\triangle HMN \cong \triangle HGN$   
G  $\triangle HMN \cong \triangle NGH$   
H  $\triangle NMH \cong \triangle NGH$   
J  $\triangle MNH \cong \triangle HGN$



Given:  $\overline{DA} \parallel \overline{YN}$   
 $\overline{DA} \cong \overline{YN}$

Prove:  $\angle NDY \cong \angle DNA$

Proof:



Statements	Reasons
1. $\overline{DA} \parallel \overline{YN}$	1. Given
2. $\angle ADN \cong \angle YND$	2. Alt. int. $\angle$ are $\cong$ .
3. $\overline{DA} \cong \overline{YN}$	3. Given
4. $\overline{DN} \cong \overline{DN}$	4. Reflexive Property
5. $\triangle NDY \cong \triangle DNA$	5. (Question 10)
6. $\angle NDY \cong \angle DNA$	6. (Question 11)

6. What is the reason for statement 5?
- F ASA  
G AAS  
H SAS  
J SSS

7. What is the reason for statement 6?
- A Alt. int.  $\angle$  are  $\cong$ .  
B CPCTC  
C Corr. angles are  $\cong$ .  
D Isosceles Triangle Theorem

