

7.1 Geometric Proofs Worksheet

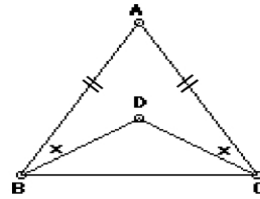
Instructions: Complete the proofs.

1.

Given: $AB = AC$
 $\angle ABD = \angle ACD$

Prove: $DB = DC$

Proof:



| Statements | Reasons |
|---------------------------|----------------------------|
| $AB = AC$ | |
| | Isosceles Triangle Theorem |
| $\angle ABD = \angle ACD$ | |
| | Subtraction property |
| $\angle DBC = \angle DCB$ | |
| $DB = DC$ | |

2.

Given: $PT = RT$
 $QT = ST$

Prove: $PQ = RS$

Proof:

