

# Geom Chap 2 Practice 1

Name:

Block:

Seat:

1. Fill in the proof:

If  $3x + 5 = 11$ , then  $x = 2$

or

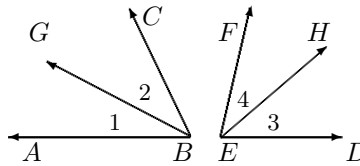
Given:  $3x + 5 = 11$

Prove:  $x = 2$

Statement	Reason
1. $3x + 5 = 11$ .	1.
2.	2. Reflexive Property
3. $3x = 6$	3.
4. $x = 2$	4.

2. Given:  $m\angle 1 = m\angle 3$ ;  $m\angle 2 = m\angle 4$

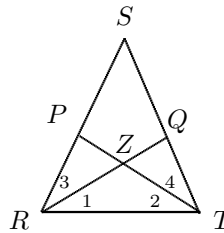
Prove:  $m\angle ABC = m\angle DEF$



Statement	Reason

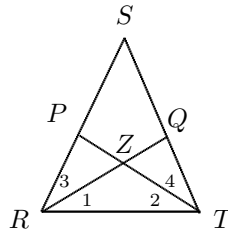
3. Given:  $RP = TQ$ ;  $PS = QS$

Prove:  $RS = TS$



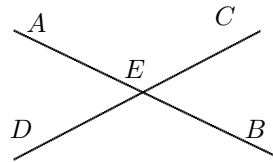
Statement	Reason

4. Given:  $m\angle SRT = m\angle STR$ ;  $m\angle 3 = m\angle 4$   
 Prove:  $m\angle 1 = m\angle 2$



Statement	Reason

5. Given:  $\overleftrightarrow{AB}$  intersects  $\overleftrightarrow{CD}$  at  $E$   
 Prove:  $\angle AEC \cong \angle BED$



Statement	Reason