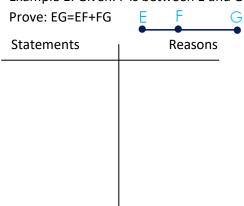
## Notes Proofs with Segments

Name:	Date:	Period:
Learning Target:		

	Algebraic Properties of Equality  Geometric Properties of Congru		ties of Congruence
	Real Numbers	Segments	Angles
Reflexive			
Symmetric			
Transitive			

Example 1: Given: F is between E and G







Example 3: Given:  $\overline{EG} \cong \overline{FH}$ 



Prove: EG = FH	E F G
Statements	Reasons

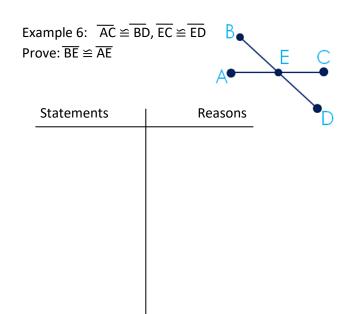




Statements	Reasons



Reasons



Example 7: Given: G is the midpoint of EH

Prove: 2EG = EH

Statements	Reasons

Example 8: Given: F is the midpoint of EH, G is

the midpoint of FH
Prove: 4FG = EH

Statements

Reasons