Geometry

2.4 Algebraic Reasoning

Segment length and angle measure are _____ just like _____, so you can solve

_____ from geometry using _____ from algebra to justify each step.

Property of Equality	Example
Reflexive	
Symmetric	
Transitive	
Add and Subtract	
Multiply and divide	
Substitution	
Distributive	

Name the property of equality the statement illustrates.

If m∠6 = m∠7, then m∠7 = m∠6.

If *JK* = *KL* and *KL* = 12, then *JK* = 12.

m∠*W* = m∠*W*

Solve the equation and write a reason for each step

$14x + 3(7 - x) = -1$

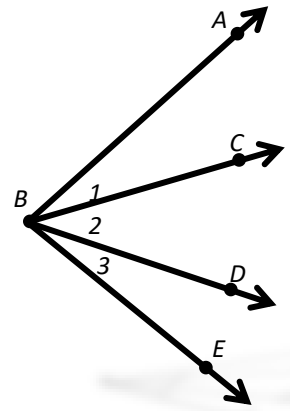Solve *A* = ½ *bh* for *b*.

Geometry 2.4

Given: m∠ABD = m∠CBE

Show that m∠1 = m∠3

Assignment: 92 #2, 4, 6, 8, 10, 16, 20, 22, 24, 28, 30, 32, 34, 36, 38, 53, 54, 60, 61, 63 = 20 total