

Name: _____


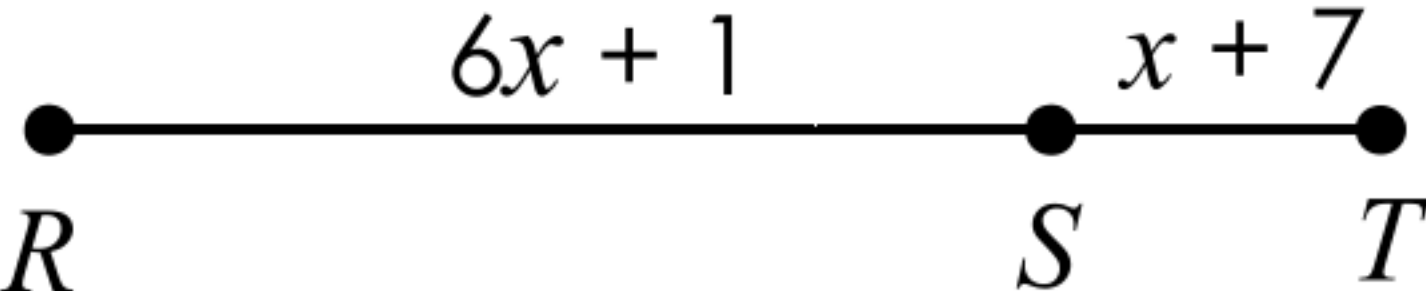
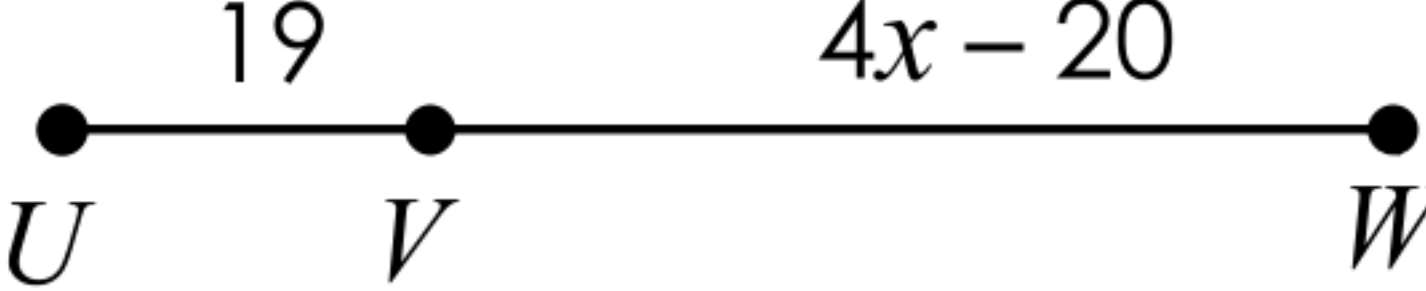
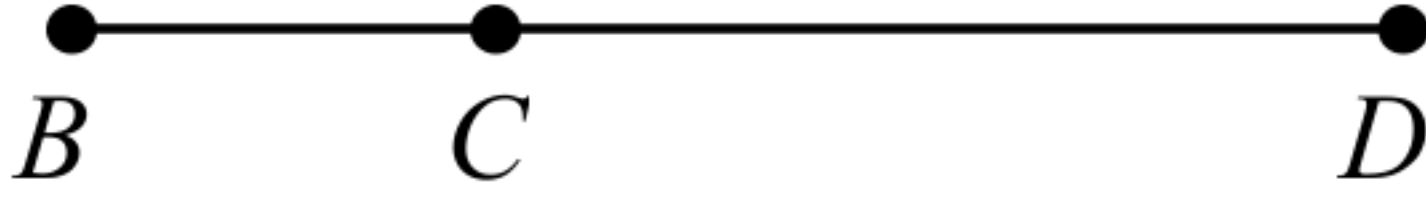
Unit 1: Geometry Basics



Date: _____ Per: _____

Homework 2: Segment Addition Postulate

**** This is a 2-page document! ****

<p>Use the diagram below to answer questions 1 and 2.</p> 		1. If $LM = 22$ and $MN = 15$, find LN .
		2. If $LN = 54$ and $LM = 31$, find MN .
3. If $RT = 36$, find the value of x .		4. If $DF = 9x - 39$, find EF .
5. If $UW = 6x - 35$, find UW .		6. If $HJ = 7x - 27$, find the value of x .
7. If $BD = 7x - 10$, $BC = 4x - 29$, and $CD = 5x - 9$, find each value.		$x =$ _____ $BC =$ _____ $CD =$ _____ $BD =$ _____
8. If $\overline{BD} \cong \overline{BC}$, $BD = 5x - 26$, $BC = 2x + 1$, and $AC = 43$, find AB .	