Name	

Complementary & Supplementary Angles

Score _

CS:19

1)	Angle 1 and 2 are complementary angles. If $m \ge 1 = 18^{\circ}$ and $m \ge 2 = (x - 3)^{\circ}$, find the function of the second s		
	value of x and $m \ge 2$.		

2) Angle a and b are supplementary angles. If $m \angle a = (x - 40)^{\circ}$ and $m \angle b = (x + 20)^{\circ}$, find the value of x, $m \angle a$ and $m \angle b$.

3) Angle u and v are supplementary angles. If $m \angle u = (5x)^0$ and $m \angle v = 25^0$, find the value of x.

4) Angle 3 and 4 are supplementary angles. If $m \angle 4 = 114^{\circ}$ and $m \angle 3 = (11x)^{\circ}$, find the value of x and $m \angle 3$.

5) Angle p and q are complementary angles. If $m \angle p = (3x + 2)^0$ and $m \angle q = (3x - 8)^0$, find the value of x, $m \angle p$ and $m \angle q$.

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	Answer key	CS:19
1)	Angle 1 and 2 are complementary angles. If $m \angle 1 = 18^{\circ}$ are value of x and $m \angle 2$.	nd $m \ge 2 = (x - 3)^{\circ}$, find the
	$x = 75$; $m \angle 2 = 72^{\circ}$	
2)	Angle a and b are supplementary angles. If $m \angle a = (x - 40)^0$ and $m \angle b = (x + 20)^0$, find the value of x, $m \angle a$ and $m \angle b$.	
	x = 100 ; m∠a = 60° ; m∠b = 120°	
3)	Angle u and v are supplementary angles. If $m \ge u = (5x)^0$ a value of x.	and $m \angle v = 25^{\circ}$, find the
	x = 31	
4)	Angle 3 and 4 are supplementary angles. If $m \angle 4 = 114^{\circ}$ as value of x and $m \angle 3$.	nd m $\angle 3 = (11x)^{\circ}$, find the
	$x = 6$; $m \angle 3 = 66^{\circ}$	
5)	Angle p and q are complementary angles. If $m \angle p = (3x + find the value of x, m \angle p$ and $m \angle q$.	2) ^o and m∠q = $(3x - 8)^{o}$,

x = 16; $m \angle p = 50^{\circ}$; $m \angle q = 40^{\circ}$