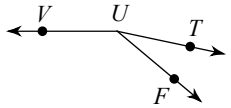
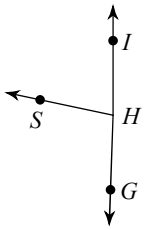
# CDL Day 3

Date_____ Period____

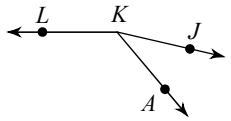
1) $m\angle FUV = 23x + 2$, $m\angle TUF = 28°$, and $m\angle TUV = 28x$. Find $x$.



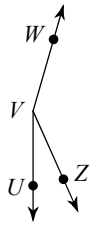

2) Find $x$ if $m\angle SHI = 2x + 78$, $m\angle GHS = 2x + 100$, and $m\angle GHI = 178°$.



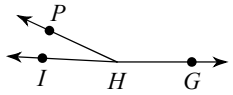

3) Find $x$ if $m\angle JKA = x + 42$, $m\angle JKL = 167°$, and $m\angle AKL = 135 + x$.



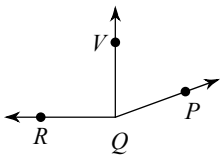

4) $m\angle WVU = 164°$, $m\angle ZVU = 3x + 3$, and $m\angle WVZ = 20x$. Find $x$.



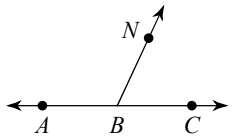

5) Find $x$ if $m\angle IHP = 4x + 6$, $m\angle IHG = 177°$, and $m\angle PHG = -1 + 39x$.



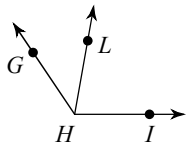

6) $m\angle VQP = 7x$, $m\angle RQV = 90°$, and $m\angle RQP = 10 + 15x$. Find $x$.



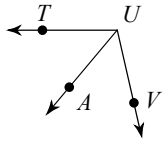

7) $m\angle ABC = 180°$, $m\angle ABN = 13x - 2$, and $m\angle NBC = 7x + 2$. Find $x$.



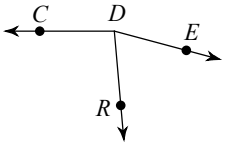

8) $m\angle GHI = 24x + 4$, $m\angle GHL = 44°$, and $m\angle LHI = 15x + 5$. Find $x$.



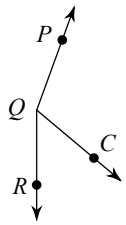

9) $m\angle VUT = 103°$, $m\angle VUA = 9x + 8$, and $m\angle AUT = 9x + 5$. Find $x$.



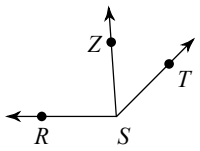

10) Find $x$ if $m\angle EDR = x + 79$, $m\angle EDC = 165°$, and $m\angle RDC = x + 104$.



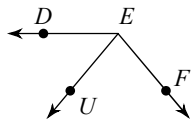
11) $m\angle PQR = 160°$, $m\angle CQR = 3x + 17$, and $m\angle PQC = 10x$. Find $m\angle CQR$.



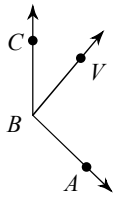

12) $m\angle RSZ = 8x - 10$, $m\angle ZST = 49°$, and $m\angle RST = 10x + 15$. Find $m\angle RST$.



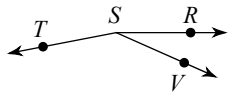

13) Find $m\angle FED$ if $m\angle FED = 16x + 2$, $m\angle UED = 50°$, and $m\angle FEU = 11x - 8$.



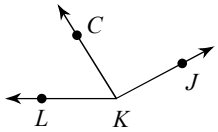

14) $m\angle VBA = 97 + x$, $m\angle CBV = x + 43$, and $m\angle CBA = 134°$. Find $m\angle CBV$.



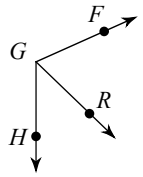

15) Find $m\angle VST$ if $m\angle RSV = x + 12$, $m\angle VST = 11x + 13$, and $m\angle RST = 169°$.



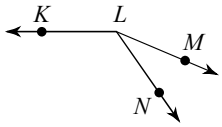

16) $m\angle LKC = 58°$, $m\angle LKJ = 13x + 9$, and $m\angle CKJ = 9x - 5$. Find $m\angle CKJ$.



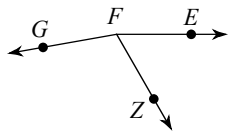

17) $m\angle FGR = x + 75$, $m\angle FGH = 114°$, and $m\angle RGH = 53 + x$. Find $m\angle RGH$.




18) Find $m\angle MLK$ if $m\angle MLK = 12x + 13$, $m\angle MLN = 3x - 4$, and $m\angle NLK = 125°$.




19) Find $m\angle ZFG$ if $m\angle EFG = 23x + 9$, $m\angle ZFG = 16x - 2$, and $m\angle EFZ = 60°$.




20) Find $m\angle MDE$ if $m\angle CDE = 168°$, $m\angle MDE = 112 + x$, and $m\angle CDM = x + 60$.