

ts both sides of the angle. t an angle bisector of the compass point at C. Draw an arc that interse.  $\exists \dot{a} \neq \dot{a} \Rightarrow \dot{b} \ddot{v} \ddot{v} \ddot{v} \ddot{v} \dot{v}$ Definition of Angle Bisector: The ray that divides an angle into two congruent angles. Point B is between A and C. Find the length indicated) Find AC if AB = and BC. ©Y w2Z MKhudtlaG xSSosfettw1aOrpeC 3LJLOCu.S s RAghuK er7ivgKhltVsR brKexsGe6rYv2ekdO.mH 6MAasddeO dwDirtwht QIPnaffiun9i7txeo VGzekoCmReetnrsyt. Worksheet by Kuta Software LLC) G I Hx +x +) Q S R 2x +x +) L N Mx-+x J L K x -x - ) F H Gx +x + ) T V U x + Point B is between A and C. Find the length indicated) Find AC if AC = x +, AB =, and BC = 2x +) Find AB if AC = x, BC = 3, and AB = 2x) Find AC if AB = 2x, BC = 9, and AC = 4x) Find AB if AB = 2x + AC = x + and BC=Worksheet by Kuta Software LLC. ©p W2X0r1p8R UKbuYtwaM hSioif tCwcaBrMeZ KLcLyCt.n Worksheet by Kuta Software LLC) Find BC B D C 6x + x + 1 Find VU W T V Ux -xxPoints A, B, and C are collinear. G F E P) m<sup>2</sup> = + 2x and m<sup>1</sup> = x + Find x. Point B is between A and C. Find the length indicated) Find AC if AC = x +, AB =, and BC = 2x +) Find AC if AB = 2x - 1, BC = 9, and AC = 4x) Find AB if AC = x - 1. 2, BC = 3, and AB = 2x Then p DayLength and Segment Addition Class Triangle Proofs POTENTIAL REASONS: Definition of Congruence: Having the exact same size and shape and there by having the exact same measures. We can make an equation out of the given information, the intersections A and the comp. Khan Academy is a nonprofit with the mission of providing a free, world-class education for anyone, anywhere Worksheet by Kuta Software LLC) Find mGKL if  $mJKL = \circ$  and  $mJKG = \circ$ . After we solve for the value of x, we can substitute that value back into the expression for the length we are 2-Segment Addition -ig) 5) Find KL) Find EC) Find IK. Points A, B, and C are collinear. Definition of Perpendicular Lines Equation practice with segment addition. Find x. GL JK 8) Find mNUT if mVUN =° and mVUT = °. ss point at A. Draw an arc. If we split a line segment into two segments, the length of the total segment equals the sums of the lengths of the two smaller segments. Learn for free about math, art, computer programming, economics, physics, chemistry, biology, medicine, finance, history, and more. Labe. E F D P) Find x if  $m^2 = 2x$  - and  $m^2 = x$  Construction Angle BisectorUse the following steps to constru. Definition of Midpoint: The point that divides a segment into two congruent segments. T N V U Each figure shows a triangle with one of its angle bisectors)  $m^2 = 8x$  and mEGF = -4 + x.