Answer on Question #48488 – Math - Geometry
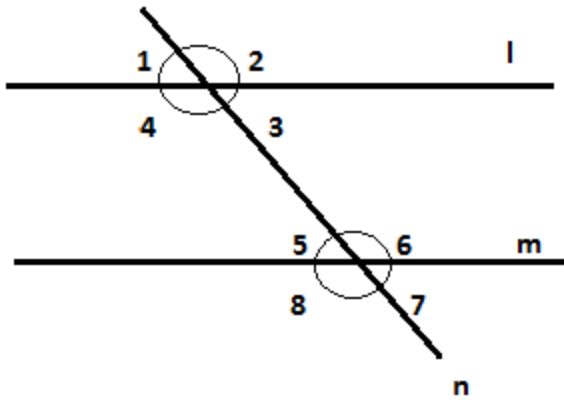
l parallel m transversal n intesect l and m if angle 4 :angle 5 =11:7 find all angle

Solution.

$$\angle4 + \angle5 = 180^o, \angle4 : \angle5 = \frac{11}{7} \to \angle4 = \frac{11}{11+7}(\angle4 + \angle5) = 180^o * \frac{11}{18} =$$

$$= 110^o,$$

$$\angle5 = 180^o - 110^o = 70^o,$$

$$\angle1 = \angle5 = 70^o,$$

$$\angle2 = \angle4 = 110^o,$$

$$\angle3 = \angle1 = 70^o,$$

$$\angle6 = \angle4 = 110^o,$$

$$\angle7 = \angle5 = 70^o, \angle8 = \angle4 = 110^o.$$