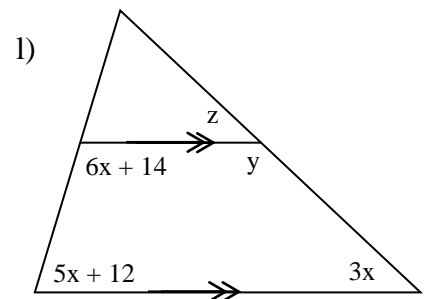
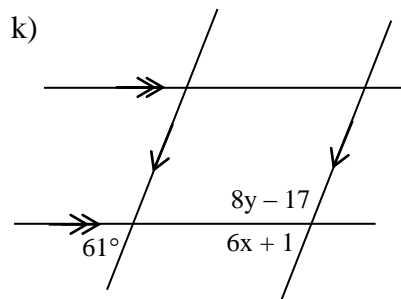
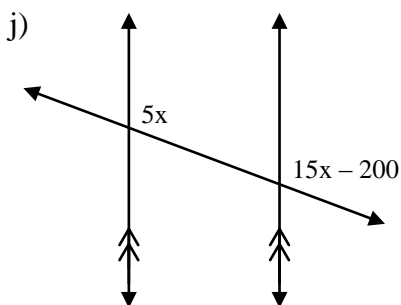
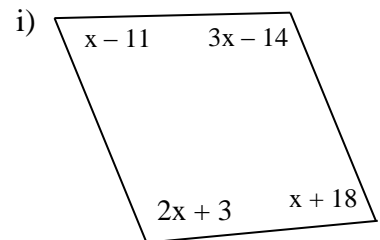
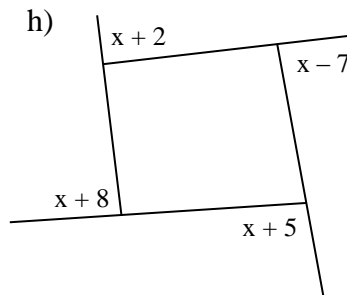
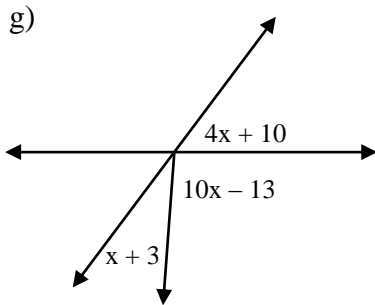
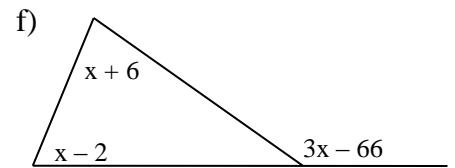
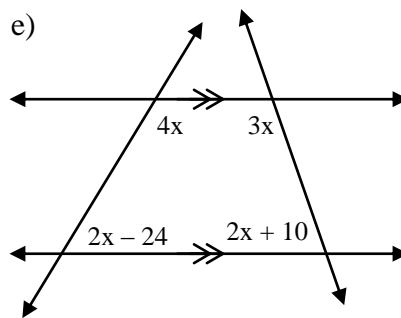
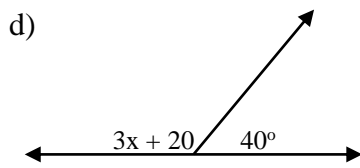
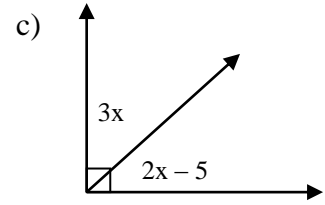
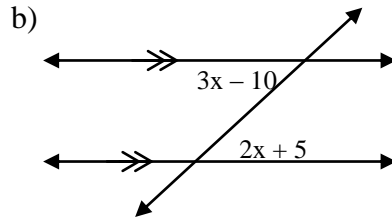
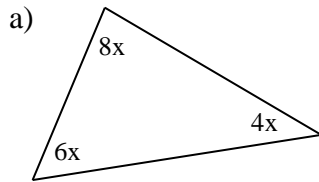


Geometry with Algebra Practice

Determine the values of the missing variables and the measure of each unknown angle. Show all of your work and state the theorem used. Complete your work on a separate piece of paper..



Answers:

- a] $x = 10$ ($40^\circ, 60^\circ, 80^\circ$) b] $x = 15$ ($35^\circ, 35^\circ$) c] $x = 19$ ($33^\circ, 57^\circ$) d] $x = 40$ (140°)
 e] $x = 34$ ($44^\circ, 78^\circ, 102^\circ, 136^\circ$) f] $x = 70$ ($68^\circ, 76^\circ, 144^\circ$) g] $x = 12$ ($15^\circ, 58^\circ, 107^\circ$) h] $x = 88$ ($81^\circ, 90^\circ, 93^\circ, 96^\circ$)
 i] $x = 52$ ($41^\circ, 70^\circ, 107^\circ, 142^\circ$) j] $x = 20$ ($100^\circ, 100^\circ$) k] $x = 10, y = 17$ ($62^\circ, 119^\circ$) l] $x = 14, y = 138, z = 42$ ($42^\circ, 42^\circ, 82^\circ, 98^\circ, 138^\circ$)