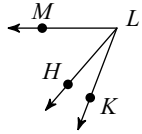


SM2a HW #8-9 (Geometry Review)

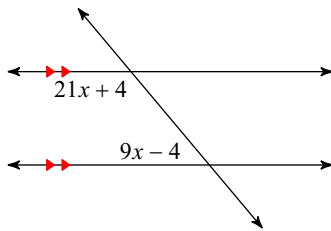
1)  $m\angle KLM = 69^\circ$  and  $m\angle HLM = 49^\circ$ .

Find  $m\angle KLH$ .



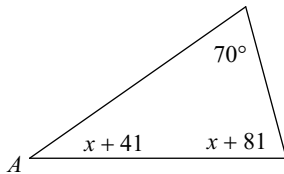
Solve for  $x$ .

2)



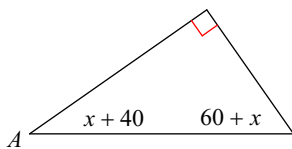
Solve for  $x$ . (1 point for your equation, 1 point for the correct answer.)

3)



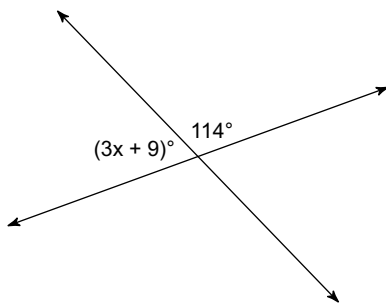
Find the measure of angle A. (1 point for your equation, 1 point for the correct answer.)

4)

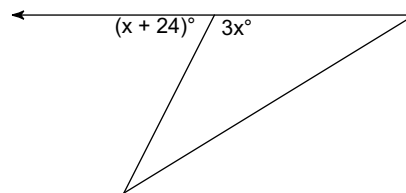


Find the value of  $x$ .

5)

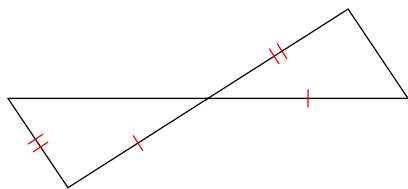


6)

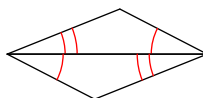


State if the two triangles are congruent. If they are, state how you know (SSS, SAS, AAS, or ASA)

7)

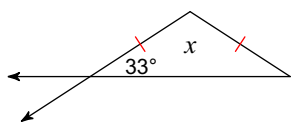


8)

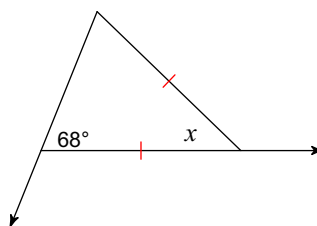


Find the value of  $x$ .

9)

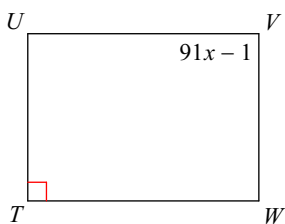


10)



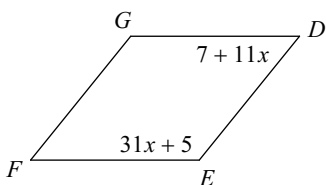
Solve for  $x$ . Each figure is a parallelogram.

11)



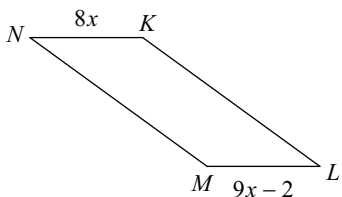
Find the measurement indicated in each parallelogram.

12) Find  $m\angle D$

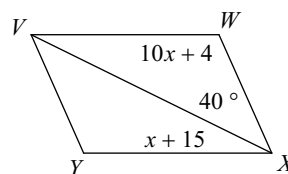


Solve for  $x$ . Each figure is a parallelogram.

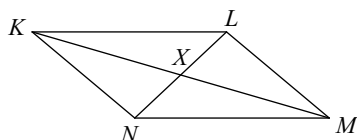
13)



14)

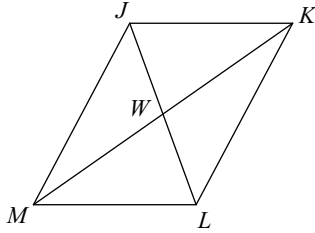


15)  $XN = 9$   
 $LN = 6x$



Find the measurement indicated in each parallelogram.

- 16)  $KW = x + 3$   
 $KM = -6 + 3x$   
Find  $KW$



Find the midpoint of the line segment with the given endpoints.

- 17)  $(8, 4)$ ,  $(-6, 10)$

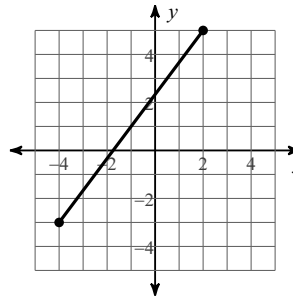
Find the other endpoint of the line segment with the given endpoint and midpoint.

- 18) Endpoint:  $(9, -5)$ , midpoint:  $(-7, 6)$

Find the distance between each pair of points.

- 19)  $(4, 0)$ ,  $(6, -1)$

20)



Simplify.

21)  $3\sqrt{24} + 2\sqrt{6}$

22)  $\frac{3\sqrt{2}}{\sqrt{8}}$

23)  $\sqrt{3}(\sqrt{6} + \sqrt{10})$