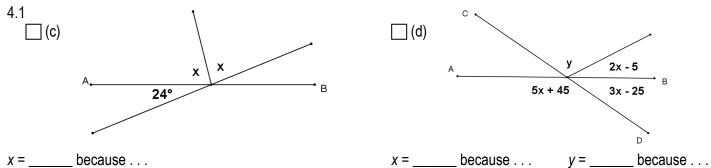
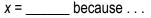
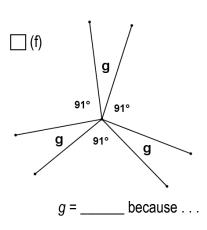
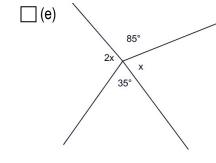
 4.1 Name (print first and last)	
(1) Construct 180° rotation of point Q around point C.	
	Q. C.
 (2) What do we know about angles already? (a) The number of degrees around a point is 	(•)
(b) If four angles with measures a,b,c , and d are adjacent around a point, then the sum of the angles $(a + b + c + c)$	-
(c) The number of degrees in a straight angle is	
(d) If a straight angle is formed by two adjacent angles, th below to form a linear pair. The sum of the two angles i angles are supplementary.	ne angles are called a linear pair . Add a ray to the diagrar is When the sum of two angles is the
<	
(3) Use what you have stated in problem number 2 to find the i	measure of each unknown angle. Write an equation and
solve it. \Box (a) Determine the measure of angle <i>g</i> .	(b) Determine the measure of angle <i>f</i> .
133° g 147°	72°
$m \angle g = $ because	$m \angle f$ = because

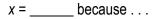
	145° a						
			cb	40°		1	22°
			d				e
∠ <i>a</i> = because	!						
∠b = because							
∠c = because							
∠d = because							
∠e = because							
	•		•				
	equations: b+	40 =	_ because _				
	equations: b + d d + d	40 = 40 =	_ because _ _ because _				
(a) Complete the	equations: b + d d + d b = d	40 = 40 = d because	_ because _ _ because _				
(a) Complete the	equations: b + d d + d b = d d are called verti	40 = 40 = d because cal angles.	_ because _ _ because _ Vertical ang	les always l	nave		
(a) Complete the	equations: $b + d$ d + d b = d d are called verti you can recogniz	40 = 40 = d because cal angles. ce vertical a	_ because _ _ because _ Vertical ang ngles in a di	iles always agram	nave		angle measures
 □ (a) Complete the □ (b) Angles b and □ (c) Describe how □ Use what you have 	equations: b + 4 d + 4 b = 6 d are called verti you can recogniz	40 = 40 = d because cal angles. ce vertical a	_ because _ _ because _ Vertical ang ngles in a di	Iles always agram e of <i>h</i> .	have		angle measures
 (a) Complete the (b) Angles <i>b</i> and (c) Describe how Use what you have 	equations: $b + d$ d + d b = d d are called verti you can recogniz	40 = 40 = d because cal angles. ce vertical a	_ because _ _ because _ Vertical ang ngles in a di	Iles always agram e of <i>h</i> .	have		angle measures
(a) Complete the (b) Angles <i>b</i> and (c) Describe how Use what you hav m∠h =h	equations: b + 4 d + 4 b = 6 d are called verti you can recogniz	40 = 40 = d because cal angles. ce vertical a	_ because _ _ because _ Vertical ang ngles in a di	I les always agram e of <i>h</i> .	have	h	angle measures
 □ (b) Angles b and □ (c) Describe how □ Use what you have 	equations: $b + d$ d + d b = d d are called verti you can recogniz ve learned in prob because and solve for ead	40 = 40 = d because cal angles. ce vertical a lem 5 to finc ch variable.	_ because _ _ because _ _ because _ Vertical ang ngles in a di I the measure State a relat ms. Finish fo	Iles always agram e of <i>h</i> .	have	h h	angle measures.
(a) Complete the (b) Angles <i>b</i> and (c) Describe how Use what you hav $m \angle h = \h$ Write an equation planation. You MUST	equations: $b + d$ d + d b = d d are called verti you can recogniz ve learned in prob because and solve for ead	40 = 40 = d because cal angles. ce vertical a lem 5 to finc ch variable.	_ because _ _ because _ _ because _ Vertical ang ngles in a di I the measure State a relat ms. Finish fo	Iles always agram e of <i>h</i> . ionship you	have	h h	angle measures

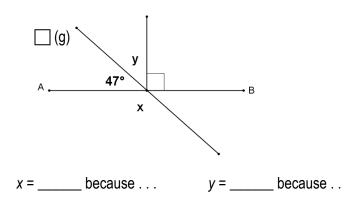


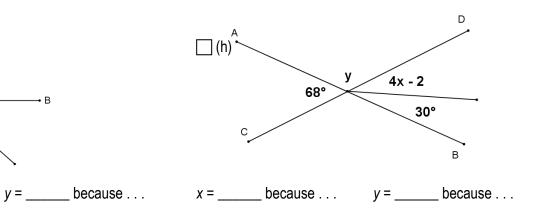


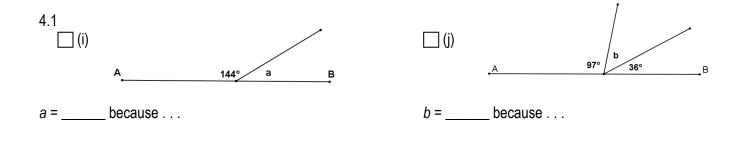


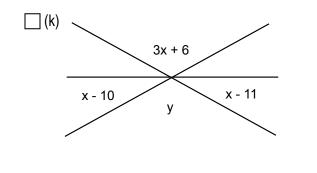












x = _____ because . . .

