

Name: _____

Date _____

Topic: Tangents and circle-Worksheet 1

<p><i>JK is a tangent</i></p>	<p><i>Given OJ, KL</i></p>		<p><i>Find JK</i></p>
	1.	4, 5	
	2.	6, 4	
<p><i>Segments shown are tangents</i></p>	<p><i>Given JK, KL and NM</i></p>		<p><i>Find LM</i></p>
	4.	4, 2, 5	
	5.	2, 5, 9	
<p><i>Segments shown are tangents.</i></p>	<p><i>Given XY and OZ, are 5 and 3.</i></p>		<p><i>Find value of the variable</i></p>
	7.		x
	8.		y
<p><i>State true or false:</i></p>			
9.		<p>$OJ=2,$ $JK=3,$ $OK=5$ <i>Is JK a tangent?</i></p>	10.
		<p>JG is diameter, radius = 11, $PG=20, JP=30$ <i>Is GP a tangent?</i></p>	



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Topic: Tangents and circle-Worksheet 2

<p><i>BC is a tangent</i></p>	Given AB, CD		Find BC
	1.	2,3	
	2.	4,3	
<p><i>Segments shown are tangents</i></p>	Given PQ, QR and TS		Find RS
	4.	3,2,4	
	5.	4,3,2	
<p><i>Segments shown are tangents.</i></p>	Given PQ and SZ, are 4 and 2.		Find value of the variable
	7.		p
State true or false:			
9.		<p>OJ=3, JK=4, OK=5 Is JK a tangent?</p>	
10.			<p>JG is diameter, radius = 36, PG=77, JP=85 Is GP a tangent?</p>



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Topic: Tangents and circle-Worksheet 3

<p><i>PQ is a tangent</i></p>	Given OP, RQ		Find PQ		
	1.	4,2			
	2.	5,3			
	3.	8,3			
<p><i>Segments shown are tangents</i></p>	Given AK, KC and PB		Find BC		
	4.	3,2,3			
	5.	3,4,7			
	6.	6,4,8			
<p><i>Segments shown are tangents.</i></p>	Given PQ and OQ , are 2 and 1.		Find value of the variable		
	7.		c		
	8.		b		
State true or false:					
9.		$OF=33,$ $EF=56,$ $OE=65$ Is EF a tangent?	10.		FG is diameter of 16, $FH=17, GH=65$ Is GH a tangent?



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Topic: Tangents and circle-Worksheet 4

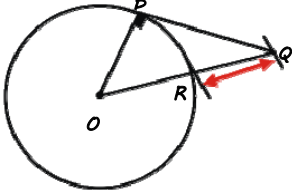
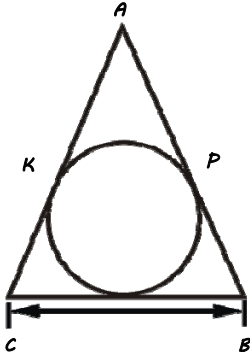
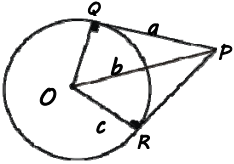
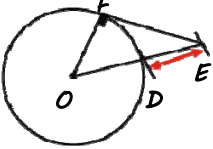
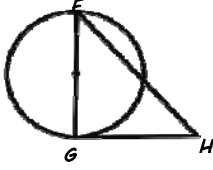
<p><i>PQ is a tangent</i></p>	<p>Given OP, RQ</p>		<p>Find PQ</p>		
	1.	3,5			
	2.	6,2			
	3.	5,6			
<p><i>Segments shown are tangents</i></p>	<p>Given AK, KC and PB</p>		<p>Find BC</p>		
	4.	3,4,8			
	5.	3,5,7			
	6.	6,4,5			
<p><i>Segments shown are tangents.</i></p>	<p>Given PQ and OQ, are 4 and 3.</p>		<p>Find value of the variable</p>		
	7.		<p>c</p>		
	8.		<p>b</p>		
<p>State true or false:</p>					
9.		<p>$OF=36,$ $EF=77,$ $OE=85$ Is EF a tangent?</p>	10.		<p>FG is diameter of 39, $FH=89, GH=80$ Is GH a tangent?</p>



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Topic: Tangents and circle-Worksheet-5

<p><i>PQ is a tangent</i></p> 	<p>Given OP, RQ</p>		<p>Find PQ</p>
	1.	5,6	
	2.	4,3	
	3.	5,4	
<p><i>Segments shown are tangents</i></p> 	<p>Given AK, KC and PB</p>		<p>Find BC</p>
	4.	2,4,6	
	5.	3,5,6	
	6.	2,3,4	
<p><i>Segments shown are tangents.</i></p> 	<p>Given PQ and OQ, are 12 and 5.</p>		<p>Find value of the variable</p>
	7.		c
	8.		b
<p>State true or false:</p>			
9.		<p>$OF=33,$ $EF=77,$ $OE=65$ Is EF a tangent?</p>	
10.		<p>FG is diameter of 65, $FH=97, GH=72$ Is GH a tangent?</p>	

