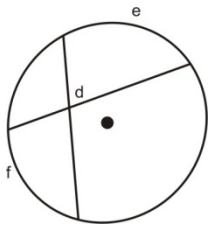


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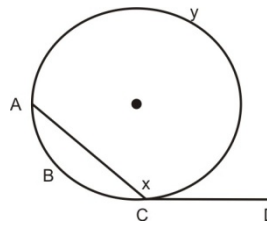
Topic : Angles Circle Tangent Chord Intersecting Chords - Worksheet 1

1.



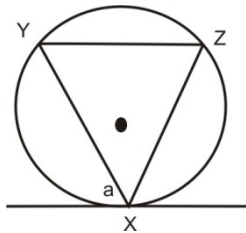
Given two intersecting chords, $e=124^\circ$, $f=40^\circ$ find d .

2.



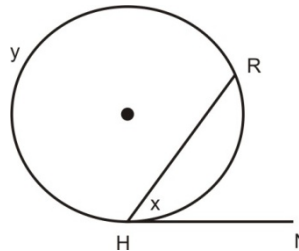
Given tangent CD, $y=6a$, $B=4a$; find x

3.



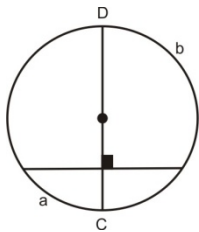
The segment through point X is tangent to the circle at X. Measure of minor arcs are in ratio $XY:YZ:ZX=3:3:6$, Find a .

4.



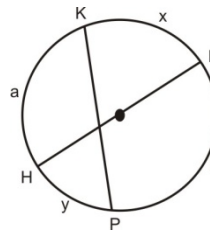
Given tangent HN, $y = 250^\circ$, find x

5.



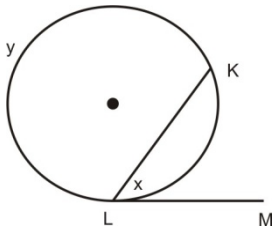
Given diameter DC is perpendicular to a chord, $b=110^\circ$, find a

6.



Given HN is diameter and KP is a chord, $a=125^\circ$, $y=30^\circ$. Find x .

7.

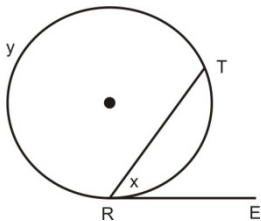


Given tangent LM, $x = 40^\circ$, find y

8.

A part JP of a circle is taken. JD is tangent to JP at J and $m < 66^\circ$. What is the measure in degrees of the arc JP, the outside edge of the part of circle?

9.



Given tangent RE, $x = 45^\circ$, find y .

10.

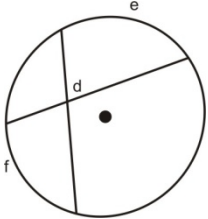
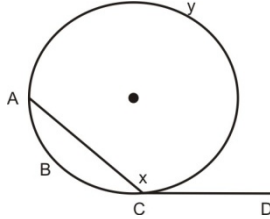
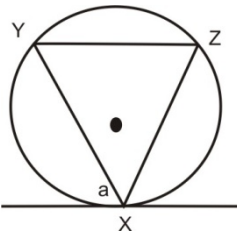
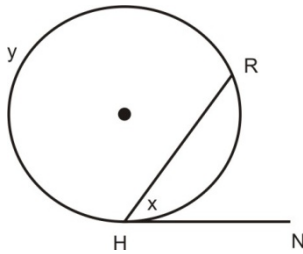
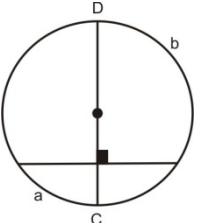
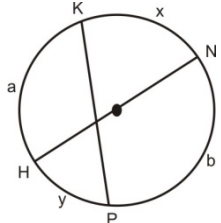
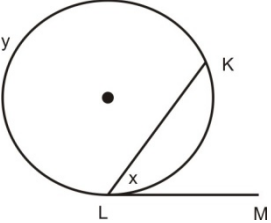
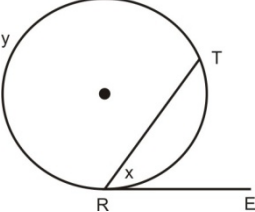
A part BC of a circle is taken. BD is tangent to BC at B and $m < 55^\circ$. What is the measure in degrees of the arc BC, the outside edge of the part of circle?



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Topic : Angles Circle Tangent Chord Intersecting Chords - Worksheet 2

- 1.**  Given two intersecting chords, $e=134^\circ$, $f=50^\circ$ find d .
- 2.**  Given tangent AC, $y=8a$, $B=7a$; find x .
- 3.**  The segment through point X is tangent to the circle at X. Measure of minor arcs are in ratio $XY:YZ:ZX=1:3:6$, Find a .
- 4.**  Given tangent HN, $y = 220^\circ$, find x .
- 5.**  Given diameter DC is perpendicular to a chord, $b=115^\circ$, find a .
- 6.**  Given HN is diameter and KP is a chord, $a=80^\circ$, $y=40^\circ$. Find x .
- 7.**  Given tangent LM, $x = 60^\circ$, find y .
- 8.** A part JP of a circle is taken. JD is tangent to JP at J and $m < 44^\circ$. What is the measure in degrees of the arc JP, the outside edge of the part of circle?
- 9.**  Given tangent RE, $x = 55^\circ$, find y .
- 10.** A part BC of a circle is taken. BD is tangent to BC at B and $m < 48^\circ$. What is the measure in degrees of the arc BC, the outside edge of the part of circle?

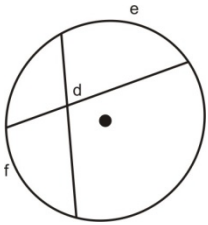


Name: _____

Date _____

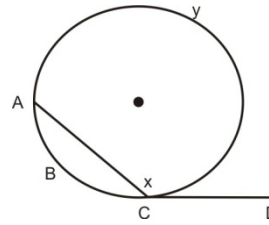
Topic : Angles Circle Tangent Chord Intersecting Chords - Worksheet 3

1.



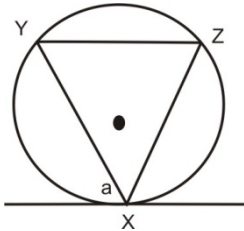
Given two intersecting chords, $e=125^\circ$, $f=55^\circ$ find d .

2.



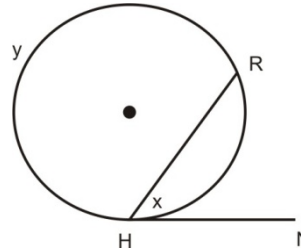
Given tangent AC, $y=8a$, $B=4a$; find x .

3.



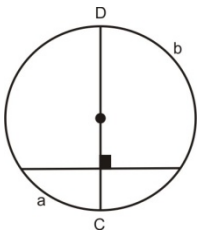
The segment through point X is tangent to the circle at X. Measure of minor arcs are in ratio $XY:YZ:ZX=7:3:5$, Find a .

4.



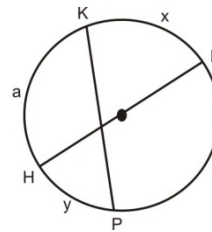
Given tangent HN, $y = 260^\circ$, find x .

5.



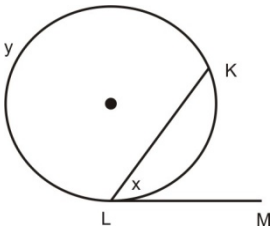
Given diameter DC is perpendicular to a chord, $b=125^\circ$, find a .

6.



Given HN is diameter and KP is a chord, $a=90^\circ$, $y=50^\circ$. Find x .

7.

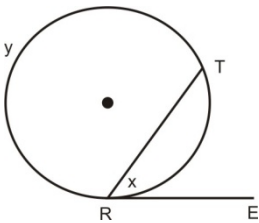


Given tangent LM, $x = 35^\circ$, find y .

8.

A part JP of a circle is taken. JD is tangent to JP at J and $m < 66^\circ$. What is the measure in degrees of the arc JP, the outside edge of the part of circle?

9.



Given tangent RE, $x = 25^\circ$, find y .

10.

A part BC of a circle is taken. BD is tangent to BC at B and $m < 45^\circ$. What is the measure in degrees of the arc BC, the outside edge of the part of circle?

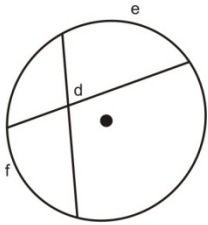


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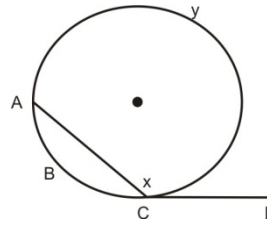
Topic : Angles Circle Tangent Chord Intersecting Chords - Worksheet 4

1.



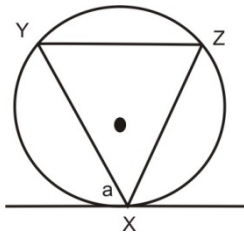
Given two intersecting chords, $e=100^\circ$, $f=64^\circ$ find d .

2.



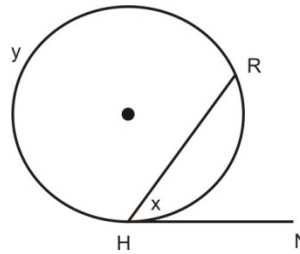
Given tangent AC, $y=7a$, $B=5a$; find x .

3.



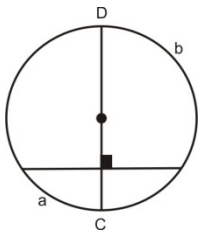
The segment through point X is tangent to the circle at X. Measure of minor arcs are in ratio $XY:YZ:ZX=9:4:5$, Find a .

4.



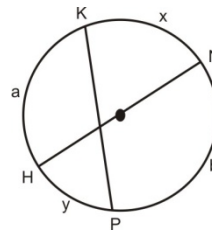
Given tangent HN, $y = 290^\circ$, find x .

5.



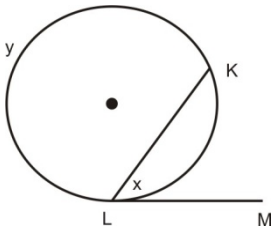
Given diameter DC is perpendicular to a chord, $b=135^\circ$, find a .

6.



Given HN is diameter and KP is a chord, $a=85^\circ$, $y=65^\circ$. Find x .

7.

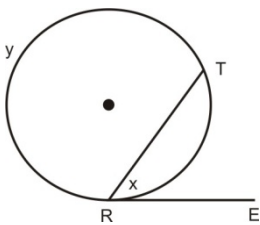


Given tangent LM, $x = 45^\circ$, find y .

8.

A part JP of a circle is taken. JD is tangent to JP at J and $m\angle J = 74^\circ$. What is the measure in degrees of the arc JP, the outside edge of the part of circle?

9.



Given tangent RE, $x = 66^\circ$, find y .

10.

A part BC of a circle is taken. BD is tangent to BC at B and $m\angle B = 77^\circ$. What is the measure in degrees of the arc BC, the outside edge of the part of circle?

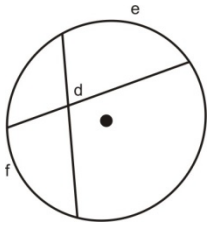


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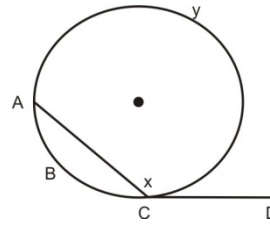
Topic : Angles Circle Tangent Chord Intersecting Chords - Worksheet 5

1.



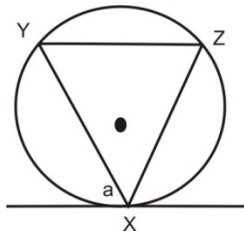
Given two intersecting chords, $e=120^\circ$, $f=74^\circ$ find d .

2.



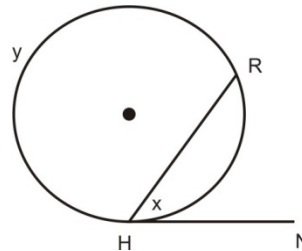
Given tangent AC, $y=9a$, $B=9a$; find x .

3.



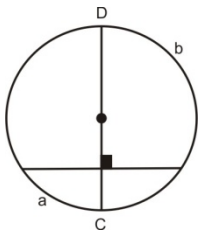
The segment through point X is tangent to the circle at X. Measure of minor arcs are in ratio $XY:YZ:ZX=10:5:5$, Find a .

4.



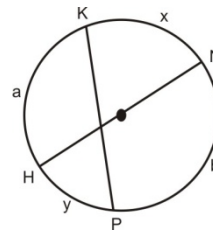
Given tangent HN, $y = 280^\circ$, find x .

5.



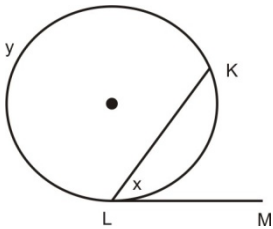
Given diameter DC is perpendicular to a chord, $b=155^\circ$, find a .

6.



Given HN is diameter and KP is a chord, $a=74^\circ$, $y=66^\circ$. Find x .

7.

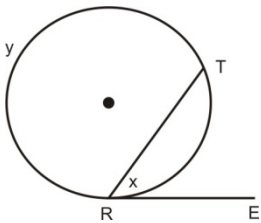


Given tangent LM, $x = 25^\circ$, find y .

8.

A part JP of a circle is taken. JD is tangent to JP at J and $m\angle J < 35^\circ$. What is the measure in degrees of the arc JP, the outside edge of the part of circle?

9.



Given tangent RE, $x = 22^\circ$, find y .

10.

A part BC of a circle is taken. BD is tangent to BC at B and $m\angle B < 85^\circ$. What is the measure in degrees of the arc BC, the outside edge of the part of circle?

