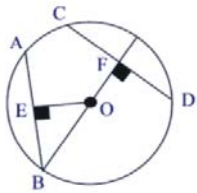Name: _____   Date _____

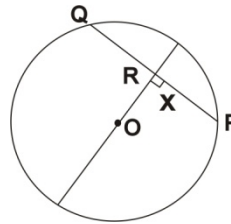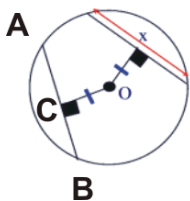Topic : <u>Chords and Circles - Worksheet 1</u>

Do the following:

1.

Given: Circle O
CD = 64,AB = 64,
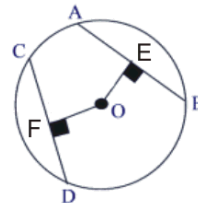OB = 50 are
marked
perpendiculars, find
OF

2.

Given: Circle O,
diameter, marked
perpendicular, QR=
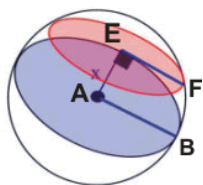16, find x.

3.

Find OF.
Given: Circle O,
marked
perpendiculars,
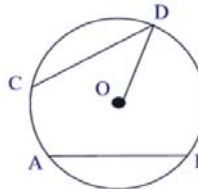hash marks
indicating
congruent, AC=
24
Find x.

4.

Given: Circle O,
AB = CD, marked
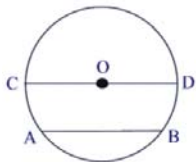perpendiculars,
OF=3x+7, OE=22,
Find x.

5.

A plane intersects
a sphere. The
diameter of the
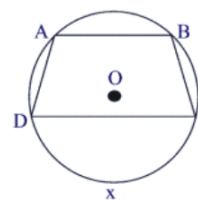intersection is 10.
The diameter of
the sphere is
54.Find x.

6.
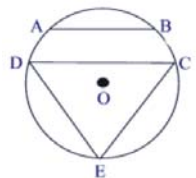

Given: Circle O,

AB≈CD, AB=9, OD= 7,
find CD.

7.

Given: Circle O,
CD is diameter, AB
∥ CD. AB = 54°,
Find CA.

8.

Given: Circle O, AB ∥
CD. AB = 84°, AD =
104°, find CD.

9.

Given: Circle O,
AB ∥ CD, DE ≈ CE,
AB = 44°, BC =
26°, find CD.

10.
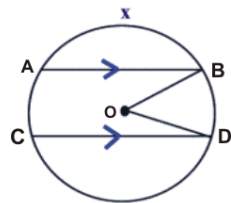
Given: Circle with
indicated center,
marked parallels. <
BOD = 66°, CD
=82°, find x.
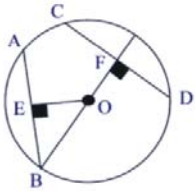
Name: _____   Date _____

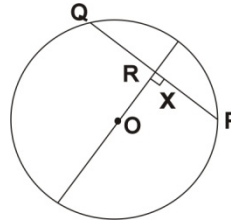Topic : <u>Chords and Circles - Worksheet 2</u>

Do the following:

1.
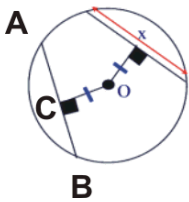
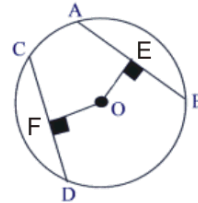Given: Circle O CD = 74, AB = 74, OB = 45 are marked perpendiculars, find OF

2.

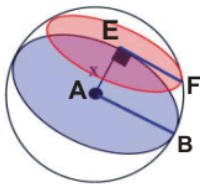Given: Circle O, diameter, marked perpendicular, QR= 14, find x.

3.

Find OF.
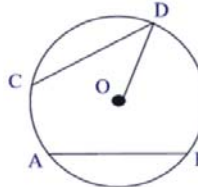Given: Circle O, marked perpendiculars, hash marks indicating congruent, AC= 22
Find x.

4.

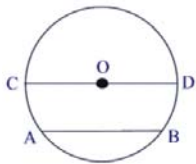Given: Circle O, **AB = CD**, marked perpendiculars, OF=5x+8, OE=14, Find x.

5.

A plane intersects a sphere. The diameter of the intersection is 16. The diameter of the sphere is 50. Find x.
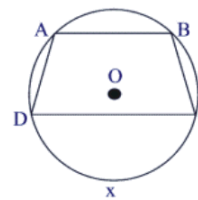
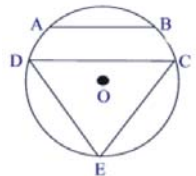**6.**

Given: Circle O,

AB≈CD, AB=8, OD= 6, find CD.

7.

Given: Circle O, CD is diameter, AB ‖ CD. AB = 52°, Find CA.

8.

Given: Circle O, AB ‖ CD. AB = 82°, AD = 106°, find CD.

9.

Given: Circle O, AB ‖ CD, DE ≈ CE, AB = 48°, BC = 28°, find CD.

10.
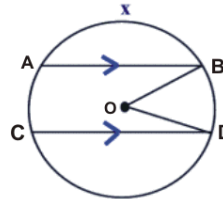
Given: Circle with indicated center, marked parallels. < BOD = 64°, CD =84°, find x.
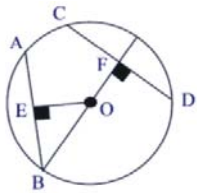
Name: _____   Date _____

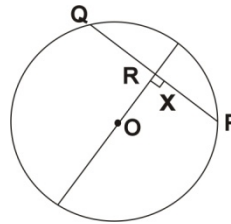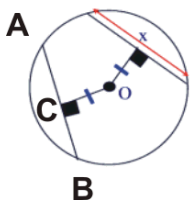Topic : <u>Chords and Circles - Worksheet 3</u>

Do the following:

1.

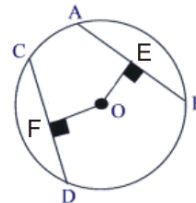Given: Circle O CD = 58,AB = 58, OB = 35 are marked perpendiculars, find OF

2.

Given: Circle O, diameter, marked perpendicular, QR= 18, find x.
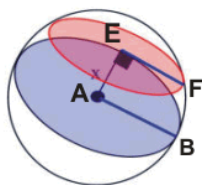
3.

Find OF.
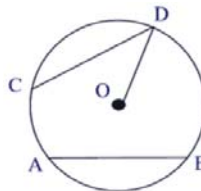Given: Circle O, marked perpendiculars, hash marks indicating congruent, AC= 28
Find x.

4.

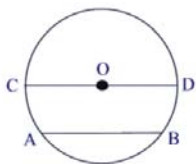Given: Circle O, **AB = CD**, marked perpendiculars, OF=6x+11, OE=16, Find x.

5.

A plane intersects a sphere. The diameter of the intersection is 18. The diameter of the sphere is 56.Find x.
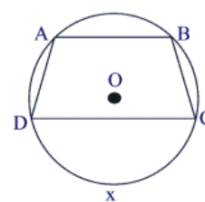
6.

Given: Circle O,

AB≈CD, AB=9, OD= 11, find CD.

7.

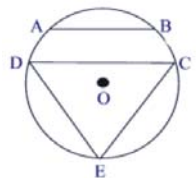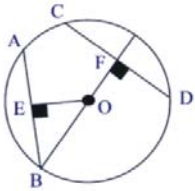Given: Circle O, CD is diameter, AB ‖ CD. AB = 58°, Find CA.

8.

Given: Circle O, AB ‖ CD. AB = 84°, AD = 108°, find CD.

9.

Given: Circle O, AB ‖ CD, DE ≈ CE, AB = 52°, BC = 32°, find CD.

10.
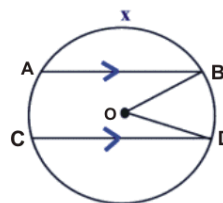
Given: Circle with indicated center, marked parallels. < BOD = 62°, CD =86°, find x.

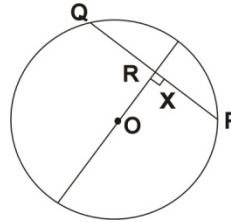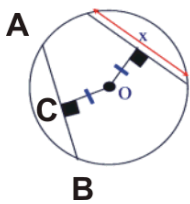Topic : <u>Chords and Circles - Worksheet 4</u>

Do the following:

1.

Given: Circle O
CD = 56, AB = 56,
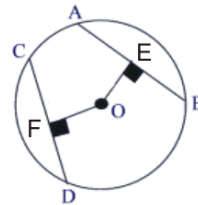OB = 38 are
marked
perpendiculars, find
OF

2.

Given: Circle O,
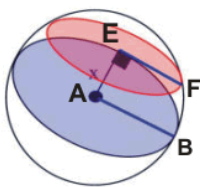diameter, marked
perpendicular, QR=
17, find x.

3.

Find OF.
Given: Circle O,
marked
perpendiculars,
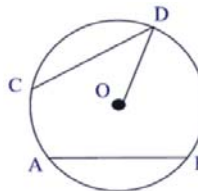hash marks
indicating
congruent, AC=
27
Find x.

4.

Given: Circle O,
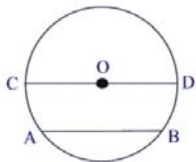**AB = CD**, marked
perpendiculars,
OF=7x+12, OE=18,
Find x.

5.

A plane intersects
a sphere. The
diameter of the
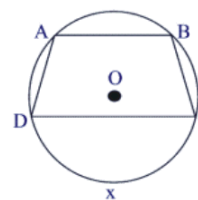intersection is 12.
The diameter of
the sphere is
58.Find x.

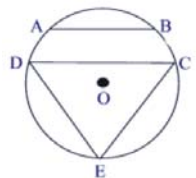**6.**

Given: Circle O,

AB≈CD, AB=7, OD= 5,
find CD.

7.

Given: Circle O,
CD is diameter, AB
∥ CD. AB = 57°,
Find CA.

8.

Given: Circle O, AB ∥
CD. AB = 83°, AD =
109°, find CD.

9.

Given: Circle O,
AB ∥ CD, DE ≈ CE,
AB = 59°, BC =
37°, find CD.

10.
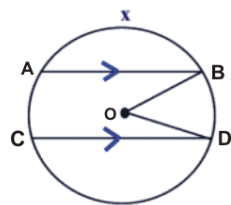
Given: Circle with
indicated center,
marked parallels. <
BOD = 65°, CD
=87°, find x.
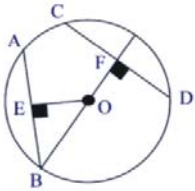
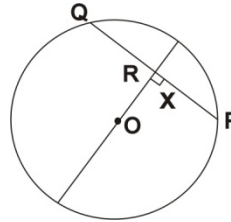Topic : <u>Chords and Circles - Worksheet 5</u>

Do the following:

1.
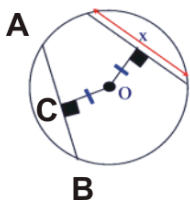
Given: Circle O
CD = 52,AB = 52,
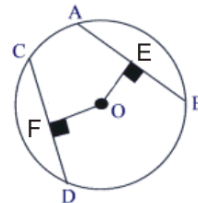OB = 34 are
marked
perpendiculars, find
OF

2.

Given: Circle O,
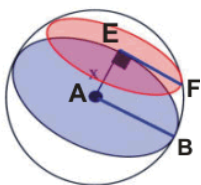diameter, marked
perpendicular, QR=
15, find x.

3.

Find OF.
Given: Circle O,
marked
perpendiculars,
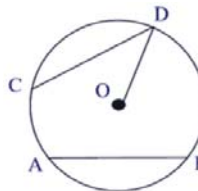hash marks
indicating
congruent, AC=
25
Find x.

4.

Given: Circle O,
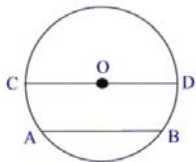**AB = CD**, marked
perpendiculars,
OF=6x+14, OE=19,
Find x.

5.

A plane intersects
a sphere. The
diameter of the
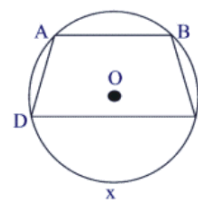intersection is 8.
The diameter of
the sphere is
20.Find x.

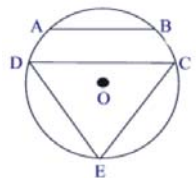**6.**

Given: Circle O,

AB≈CD, AB=11, OD=
13, find CD.

7.

Given: Circle O,
CD is diameter, AB
∥ CD. AB = 55°,
Find CA.

8.

Given: Circle O, AB ∥
CD. AB = 85°, AD =
105°, find CD.

9.

Given: Circle O,
AB ∥ CD, DE ≈ CE,
AB = 62°, BC =
44°, find CD.

10.
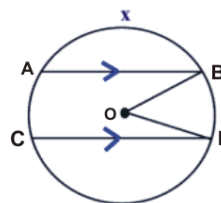
Given: Circle with
indicated center,
marked parallels. <
BOD = 72°, CD
=92°, find x.