

Geo Chp 10 HW

D1 | p 534 # 5-10, 19, 20, 23, 24, 29, 30

5 Circle C

6 \overline{AC} , \overline{CD}

7 \overline{BH} , \overline{AD}

8 \overline{AD}

9 \overleftrightarrow{KG}

10 \overleftrightarrow{GF} , F

19 yes $\triangle ABC$ is Right

20 No! Not Right

$$\begin{aligned} 23 \quad r^2 + 24^2 &= (r+16)^2 \\ r^2 + 576 &= r^2 + 32r + 256 \\ 576 &= 32r + 256 \\ 320 &= 32r \\ r &= 10 \end{aligned}$$

$$\begin{aligned} 24 \quad 9^2 + r^2 &= (r+6)^2 \\ 81 + r^2 &= r^2 + 12r + 36 \\ 81 &= 12r + 36 \\ 45 &= 12r \\ r &= 3.75 \end{aligned}$$

$$\begin{aligned} 29 \quad 2x + 7 &= 5x - 8 \\ 15 &= 3x \\ x &= 5 \end{aligned}$$

$$\begin{aligned} 30 \quad 3x + 10 &= 7x - 6 \\ 16 &= 4x \\ x &= 4 \end{aligned}$$

D2 HW

Geo Chp 10

p 542 #3-16

(3) minor $\widehat{AB} = 135^\circ$
major $\widehat{AOB} = 225^\circ$

(4) minor $\widehat{EF} = 68^\circ$
major $\widehat{EGF} = 292^\circ$

(5) minor $\widehat{JL} = 120^\circ$
major $\widehat{JKL} = 240^\circ$

(6) minor $\widehat{MN} = 170^\circ$
major $\widehat{MPN} = 190^\circ$

(7) minor 70°

(8) minor 65°

(9) minor 45°

(10) minor 70°

(11) semicircle 180°

(12) semicircle 180°

(13) major 290°

(14) major 315°

(15) $a = 132^\circ$
 $b = 147^\circ$
 $c = 200^\circ$
 $d = 160^\circ$

(16) $a = 138^\circ$
 $b = 180^\circ$
 $c = 222^\circ$
 $d = 138^\circ$