**Practice**

***Measuring Angles and Arcs***

******$\overbar{AC}$**and** $\overbar{DB}$**are diameters of ⨀*Q*. Identify each arc as a *major arc*, *minor arc*,
or *semicircle* of the circle. Then find its measure.**

 **1.** *m*$\hat{AE}$**2.** *m*$\hat{AB}$

 **3.** *m*$\hat{EDC}$**4.** *m*$\hat{ADC}$

 **5.** *m*$\hat{ABC}$**6.** *m*$\hat{BC}$

$\overbar{FH}$**and** $\overbar{EG}$**are diameters of ⨀*P*. Find each measure.**

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 **7.** *m*$\hat{EF}$**8.** *m*$\hat{DE}$

 **9.** *m*$\hat{FG}$**10.** *m*$\hat{DHG}$

**11.** *m*$\hat{DFG}$**12.** *m*$\hat{DGE}$

**Use ⨀*Z* to find each arc length. Round to the nearest hundredth.**

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**13.** $\hat{QPT}$, if *QZ* = 10 inches **14.** $\hat{QR}$, if *PZ* = 12 feet

**15.** $\hat{PQR}$, if *TR* = 15 meters **16.** $\hat{QPS}$, if *ZQ* = 7 centimeters

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| **Homework** |
| **Less than 1 hour** | 8% |
| 1–2 hours | 29% |
| 2–3 hours | 58% |
| 3–4 hours | 3% |
| Over 4 hours | 2% |

**17. HOMEWORK** Refer to the table, which shows the number of hours students at Leland High School say they spend on homework each night.

 **a.** If you were to construct a circle graph of the data, how many degrees would be allotted to each category?

 **b.** Describe the arcs associated with each category.