

LESSON 19-1

Practice and Problem Solving: A/B

1. $\overline{AB}$, $\overline{AD}$, $\overline{AE}$
2. $\angle ACB$, $\angle BCD$
3. $\angle BAD$, $\angle BAE$, $\angle DAE$
4. $m\angle QS = 125^\circ$, $m\angle RQT = 227^\circ$
5. $m\angle HG = 67^\circ$, $m\angle FEH = 203^\circ$
6. $m\angle CED = 33^\circ$, $m\angle DEA = 192^\circ$
7. $m\angle FGI = 9^\circ$, $m\angle GH = 78^\circ$
8. $x = 20$
9. $a = 6$
10. 64°
11. 41°
12. 73°

LESSON 19-2

Practice and Problem Solving: A/B

1. $m\angle C = 127^\circ$, $m\angle D = 98^\circ$
2. $m\angle R = 125^\circ$, $m\angle U = 76^\circ$
3. $m\angle K = 90^\circ$, $m\angle L = 90^\circ$, $m\angle M = 90^\circ$
4. yes
5. no
6. yes
7. yes
8. $m\angle X = 71^\circ$, $m\angle Y = 109^\circ$, $m\angle Z = 109^\circ$, $m\angle W = 71^\circ$
9. $m\angle C = 90^\circ$, $m\angle D = 90^\circ$, $m\angle E = 90^\circ$,
 $m\angle F = 90^\circ$
10. $m\angle T = 68^\circ$, $m\angle U = 95^\circ$, $m\angle V = 112^\circ$, $m\angle W = 85^\circ$
11. $m\angle K = 59^\circ$, $m\angle L = 73^\circ$, $m\angle M = 121^\circ$, $m\angle N = 107^\circ$