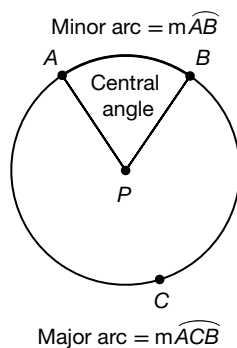


Warm Up 26

1. radius
2. D
3. 50
4. 12.5%

Lesson Practice 26

a. Sample



- b. $m\widehat{RS} = 115^\circ$
- c. $x = 45$, and the arc measures are 75° .
- d. $m\widehat{AD} + m\widehat{DC} + m\widehat{CB} = m\widehat{AB}$
- e. 220°
- f. 4 lamps; overlap = 40°

Practice 26

1. -1
2. A cactus requires water to develop.
3. $AB = 11$, $BC = 11$,
 $AC = 20$
4. 41 km
- 5.

P	Q	$\sim P$	$\sim Q$	$\sim P \wedge \sim Q$
True	True	False	False	False
True	False	False	True	False
False	True	True	False	False
False	False	True	True	True

6. 65°
7. D; 60°
8. true
9. 60°
10. Sample:
 $2^3 = 8$,
 $2 \times 3 = 6$,
 $8 > 6$
11. $k = 3$
12. 150°

13. \overline{PR}
14. $y < 0$; If y is a negative number, then the answer will be negative.
15. $\triangle FGH \cong \triangle TUV$
16. If a building does not have more than four floors, then it does not have an elevator.
17. $x = 33$
18. D
19. The figure is not a polygon because each segment is not connected to exactly two other segments at the endpoints.
20. 156 ft^2
21. Symmetric Property of Equality
22. The vertical intercept is 60 and represents the monthly fixed cost of using the phone.
23. $x = 8$; 34°

24. $\angle A \cong \angle W$, $\angle B \cong \angle X$,
 $\angle C \cong \angle Y$, $\overline{AB} \cong \overline{WX}$,
 $\overline{BC} \cong \overline{XY}$, and
 $\overline{AC} \cong \overline{WY}$
25. If a polygon does not have three sides, then it is not a triangle.
26. Subtraction Property of Equality
27. 315 miles
28. 133°
29. Each term is the sum of the previous two terms; 34, 55, 89, 144.
30. square, rhombus, rectangle, parallelogram