

## Answers to Pages 264-266

### #1-12, 20

- 1) arc length = 3 cm      area =  $9 \text{ cm}^2$
- 2) arc length = 15 cm      area =  $37.5 \text{ cm}^2$
- 3) radius = 5 cm      area =  $27.5 \text{ cm}^2$
- 4) radius = 5 cm      area =  $5 \text{ cm}^2$
- 5) radius = 10 cm      arc length = 5 cm
- 6) radius = 30 cm      arc length = 6 cm
- 7)  $12 \text{ cm}^2$
- 8)  $84 \text{ cm}^2$
- 9) 1.5 cm or 2 cm
- 10) 2 cm or 4 cm
- 11) 402,000 km
- 12) 6720 km
- 20) 12km/h