

# Geometry Practice Answers Advanced Trigonometry

**p646 #14-16**

**33 points each**

- 14.  $27.7 \text{ m}^2$
- 15.  $18.0 \text{ ft}^2$
- 16.  $7554.0 \text{ m}^2$

**p646 #17-19, 24-26 (Area only), 45 [30]**

**33 points each**

- 17.  $311.3 \text{ km}^2$
  - 18.  $128.1 \text{ mm}^2$
  - 19.  $0.8 \text{ ft}^2$
  - 24.  $21.4 \text{ ft}^2$
  - 25.  $282.8 \text{ m}^2$
  - 26.  $3 \text{ mi}^2$
- |       |
|-------|
| 30. D |
|-------|
- 45a. 2:3
  - 45b.  $173.8 \text{ in.}^2$

**p523 #3-6, 11**

**20 points each**

- 3.  $x \approx 19.1; y \approx 14.5.$
- 4.  $x \approx 2.1; y \approx 3.6.$
- 5.  $x = 67; y = 18.8$
- 6.  $x \approx 12.7; y \approx 9.4$
- 11.  $x = 59$

**p523 #8-10, 12-14**

**15 points each**

- 8.  $x = 36.9 \text{ or } 37.0; y = 53.0 \text{ or } 53.1$
- 9.  $x = 54.1; y = 71.9 \text{ or } 72.0$
- 10.  $x = 5.1; y = 126.8 \text{ or } 126.5$
- 12. 7.4
- 13. 17.5
- 14. 15.9