

- 8.** 200 m^2
- 9.** 64 ft^2
- 10.** 96 cm^2
- 11.** 36 in.^2
- 12.** No; explanations may vary. Sample: two altitudes of an obtuse \triangle lie outside the \triangle . The legs of a right \triangle are two altitudes of the \triangle .
- 14.** The area of $\triangle ABC$ is half the area of the \square .
- 15.** 4 in.
- 16.** B
- 17.** 14 cm
- ~~**18.** 16~~
- 21.** 15 units^2
- 23.** 6 units^2
- 25.** 27 units^2
- 27.** 21 units^2
- 36.** 20 units^2
- 38.** 312.5 ft^2
- 40.** $12,800 \text{ m}^2$