

6-14. $a = 97^\circ, b = 15^\circ, c = 68^\circ, d = 68^\circ$

6-15. See below.

- a. ≈ 3.75 , tangent
- b. $7\sqrt{2} \approx 9.9$, Pythagorean Theorem or $45^\circ-45^\circ-90^\circ$ ratios
- c. ≈ 9.54 , Law of Cosines

6-16. See below.

- a. 25 units
- b. 56 sq. units and 350 sq. units

6-17. See below.

- a. $A'(-2, -7), B'(-5, -8), C'(-3, -1)$
- b. $A''(2, 7), B''(5, 8), C''(3, 1)$
- c. Reflection across the y -axis.

6-18. See below.

- a. $(0.8)(0.8) = 0.64 = 64\%$
- b. $(0.8)(0.2) = 0.16 = 16\%$

6-19. A