



2-113. 10 units

- a. $(-2, 5)$
- b. $(1, 5)$
- c. $(-12, 14)$
- d. $(2, 2)$

2-114. See below.

- a. $\frac{7}{8}$
- b. $\frac{3}{8}$
- c. $\frac{5}{8}$

2-115. Height = 12 feet; Using the Pythagorean Theorem, area = $\frac{1}{2}(12)(12 + 23) = 210$ square feet.

2-116. See below.

- a. $x = 28.5^\circ$, Triangle Angle Sum Theorem
- b. $x = 23^\circ$, relationships used varies
- c. $x = 68^\circ$, corresponding angles are congruent because the lines are parallel and base angles of an isosceles triangle are congruent.

2-117. 5" and 21"