

pg 145 # 7-11, 16-22

⑦ $A = lw$

$$\frac{18}{6} = \frac{6x}{6}$$

$$3 = x$$

3 ft

⑧ $A = s^2$ or $A = lw$

$$\sqrt{49} = \sqrt{s^2}$$

$$s = 7$$

7 in

⑨ $P = \text{sum of sides}$

$$P = c + 23 + 17$$

$$60 = c + 40$$

$$-40 \quad -40$$

$$20 = c$$

20 m

⑩ $P = 2l + 2w$

$$24 = 2l + 2(4)$$

$$24 = 2l + 8$$

$$-8 \quad -8$$

$$\frac{16}{2} = \frac{2l}{2}$$

$$l = 8$$

8

⑪ $A = s^2$

$$= 12(12)$$

$$= 144$$

$$A = \frac{bh}{2}$$

$$= \frac{12(18)}{2}$$

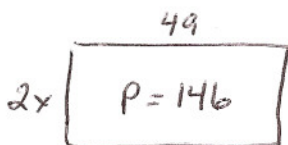
$$= 108$$

$$\text{Total Area} = 2(144) + 2(108)$$

$$= 288 + 216$$

$$= 504 \text{ in}^2$$

⑫



$$2l + 2w = P$$

$$2(49) + 2(2x) = 146$$

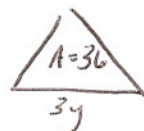
$$98 + 4x = 146$$

$$-98 \quad -98$$

$$\frac{4x}{4} = \frac{48}{4}$$

$x = 12$

⑬



$$A = \frac{bh}{2}$$

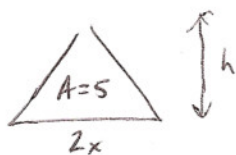
$$36 = \frac{3y(8)}{2}$$

$$36 = \frac{24y}{2}$$

$$\frac{36}{12} = \frac{12y}{12}$$

$y = 3$

⑭



$$A = bh$$

$$2 \cdot 5 = \frac{2x \cdot h}{2}$$

$$\frac{10}{2x} = \frac{2x \cdot h}{2x}$$

$h = \frac{5}{x}$

⑮ $A = lw$

$$\frac{70}{3.5w} = \frac{l(3.5w)}{3.5w}$$

$\frac{20}{w} = l$

