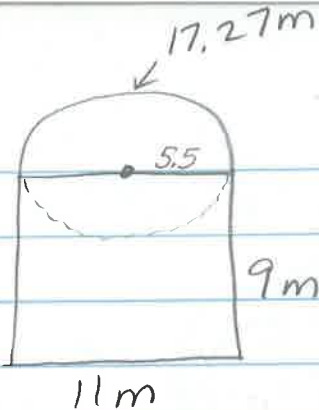


9.1.3

HWK

9-45)



$$C = \pi d$$

$$= 3.14 \cdot 11$$

$$C = 34.54 \text{ m}$$

$$34.54 \div 2 = 17.27$$

perimeter = $17.27 + 9 + 9 + 11 = \underline{\underline{46.27 \text{ m}}}$

area =

$$\underline{\underline{146.49 \text{ m}^2}}$$

$$A = \pi r^2$$

$$= \pi \cdot (5.5)^2$$

$$= 3.14 \cdot 30.25$$

$$= 94.99 \text{ m}^2$$

$$94.99 \div 2 = \underline{\underline{47.49 \text{ m}^2}}$$

$$A = bh$$

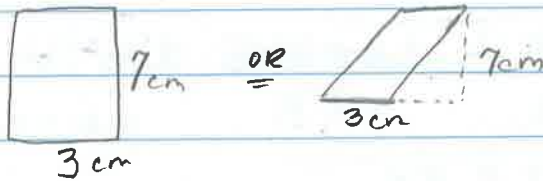
$$= 11 \cdot 9$$

$$= \underline{\underline{99}}$$

total

$$99 + 47.49 = \underline{\underline{146.49 \text{ m}^2}}$$

9-46)



$$A = bh$$

$$= 3 \cdot 7$$

$$= \underline{\underline{21 \text{ cm}^2}}$$

9-47) $A = \pi r^2$

(a) $A = 3.14 \cdot (4^2)$

$$A = 3.14 \cdot 16$$

$$A = 50.24 \text{ ft}^2$$

(b) $A = \pi r^2$

$$A = 3.14 \cdot (0.3)^2$$

$$A = 3.14 \cdot (0.09)$$

$$A = 0.2826 \text{ cm}^2$$

$$D = 0.6$$

$$r = 0.3$$

9-48) 40% of $\$2.25 = 0.90$ ~~¢~~
 new price $2.25 + 0.90 = \$3.15$

9-49)

a) $(x+3.5)2$
 $2x+7$

b) $23+5x-(7+2.5x)$

$23+5x-7-2.5x$

$23+5x+(-7)+(-2.5x)$

$23+(-7)+5x+(-2.5x)$

$16+2.5x$

c) $3x+4.4-2(6.6+x)$

$3x+4.4-13.2-2x$

$3x-2x+4.4-13.2$

$x+(-8.8)$

or $x-8.8$

9-50) ^{2 employees} 100 feet of fence in 2 days

a) $\frac{2 \text{ employees}}{50 \text{ ft}} = \frac{100 \text{ feet}}{2 \text{ days}} = \frac{50 \text{ ft.}}{1 \text{ day}}$

$\frac{2 \text{ employees}}{50 \text{ ft}} = \frac{1 \text{ employee}}{25 \text{ ft}}$

25 feet of fence per day per employee

b) $\frac{25 \text{ feet}}{1 \text{ day}} = \frac{150 \text{ ft.}}{x}$

$\frac{25x}{25} = \frac{150}{25}$

$x = 6$

c) 6 employees