Solve. $x = ?$

$$(6)\frac{(x-3)}{6} = 2(6)$$

$$x - 3 = 12$$

$$+3 \qquad +3$$

$$x = 15$$

$$\frac{(x-3)}{6} = \frac{1}{3}$$

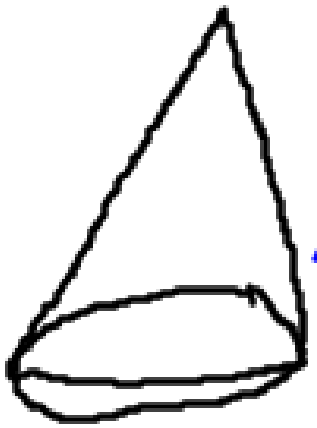
$$3(x-3) = 6$$

$$3x - 9 = 6$$

$$+9 \qquad +9$$

$$\frac{3x}{3} = \frac{15}{3}$$

$$x = 5$$



nearest cm: 27 cm

nearest tenth of a cm: 26.8 cm

nearest hundredth ... cm: 26.83 cm

$d = 10$ cm

$r = 5$ cm

$SA = 500 cm^2$

$SA = \pi r^2 + \pi r s$

$s = ?$

$500 = \pi(5)^2 + \pi(5)x$

$500 = 25\pi + 5\pi x$

$500 = 78.5398 + 15.7079x$

$-78.5398 \quad -78.5398$

$\frac{421.4602}{15.7079} = \frac{15.7079x}{15.7079}$

$x = 26.8310$ cm

p. 62-63

Study Guide / Summary

Review

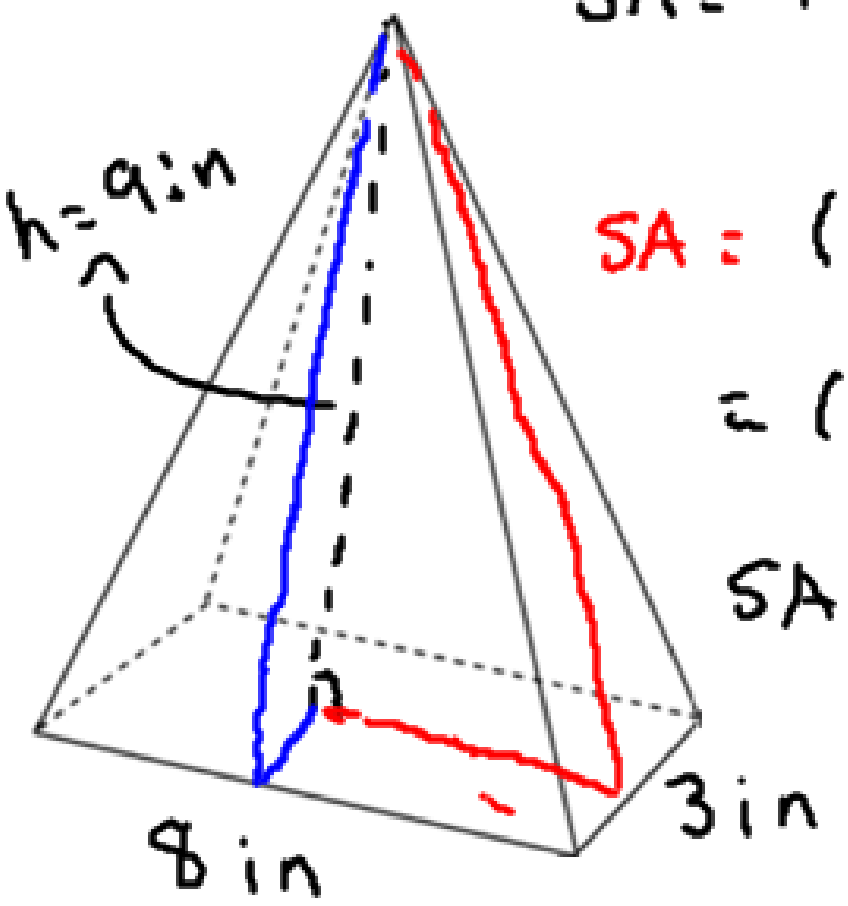
p. 64 - 66

To know:

- Solving Equations
- Ratios
- Converting units
- SA & Vol.

Extra Help

- Math Dept Wed @ lunch C240
- Ms. Spear - Thurs @ lunch C246

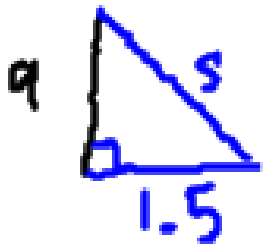


SA = 

$SA = (\ell \cdot w) + 2\left(\frac{b \cdot s}{2}\right) + 2\left(\frac{b \cdot s}{2}\right)$

$= (8 \cdot 3) + (8)(9.1241) + (3)(9.84\ldots$

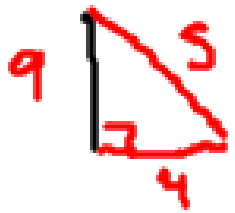
$SA = 127 \text{ in}^2$



$s^2 = 9^2 + (1.5)^2$

$s^2 = 83.25$

$s = 9.1241\ldots$



$s^2 = 9^2 + 4^2$

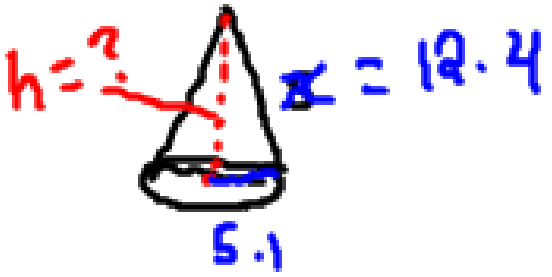
$s^2 = 97$

$s = 9.8489\ldots$

8. LA = 198.6 cm^2

d = 10.2 cm

r = 5.1 cm



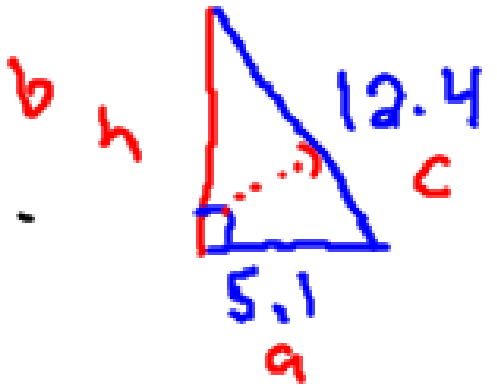
① solve for slant.

$SA = \pi r^2 + \pi r s$

$198.6 = \pi r x$

$198.6 = \pi(5.1)x$

$x = 12.4$ cm



$c^2 = a^2 + b^2$

$c^2 - a^2 = b^2$

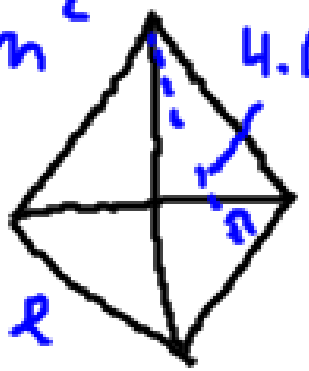
$(12.4)^2 - (5.1)^2 = b^2$

$127.75 = b^2$

$b = 11.3$ cm

6.

$SA = 48.9\ m^2$



$b = l$

$$SA = 4\left(\frac{lh}{2}\right)$$

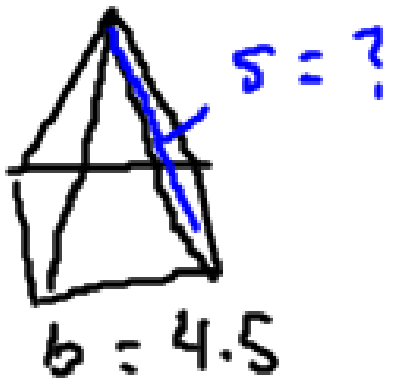
$$48.9 = 4\left(\frac{l(4.6)}{2}\right)$$

$$48.9 = 2(l)(4.6)$$

$$\frac{48.9}{9.2} = \frac{9.2\,l}{9.2}$$

$$l = 5.3\ cm$$

$SA = 129.5\ cm^2$



$SA = 2bs + b^2$

$129.5 = 2(4.5)s + (4.5)^2$

$129.5 = 9s + 20.25$

$-20.25 \qquad -20.25$

$\frac{109.25}{9} = \frac{9s}{9}$

$s = 12.1\ cm$