Homework 8-116 through 8-122

$\boxed{8\text{-}116}$

a) $C = 28\pi$ un $\quad A = 196\pi$ un$^2$

b) $C = 10\pi$ un $\quad A = 25\pi$ un$^2$

c) $2\pi r = 100\pi \quad A = 2500\pi$ un$^2$
$r = 50$

d) $\left(\frac{C}{2\pi}\right)^2 \pi = \frac{C^2}{4\pi^2} \cdot \pi = \boxed{\frac{C^2}{4\pi} \text{ un}^2}$

$\boxed{8\text{-}117}$

$20(1+r)^{10} = 50 \qquad (1+r)^{10} = 2.5$

$\cancel{\ln(1+r)^{10} = \ln 2.5}$ $\qquad r = .096$

$\cancel{10\ln(1+r) =}$ $\qquad (1.096)$

I used a graphing calculator

I plugged $20(1+x)$^10 into y=

I change table to go up by .01

$\boxed{8\text{-}118}$

1. Given
2. def of ⊥ lines
3. reflexive

5. $\Delta AFC \cong \Delta BFC$

6. CPCTC

$\boxed{8\text{-}119}$

a) reg. hexagon (3)
b) reg decagon (1)
c) equil. triangle (4)
d) square (2)

$\boxed{8\text{-}120}$

a) $f(+1) = -3$ b) $f(0) = -4$

* c) almost 3 and $-3$ d) 2 and $-2$

$\boxed{8\text{-}121}$

$a = 97°$ $d = 68°$ $c = 68°$ $b = 15°$

$\boxed{8\text{-}122}$

3 by 3 by 3 27 cubes

$\boxed{D}$