

Ch. 11 HW #5

Answers:

1) $h = 4 \text{ cm}$
 $A = 48 \text{ cm}^2$

2) $A = 249 \text{ units}^2$

3) $A = 744 \text{ units}^2$

4) $h = 15 \text{ units}$
 $A = 517.5 \text{ units}^2$

5) $h = 6\sqrt{3} \text{ units}$
 $A = 114\sqrt{3} \text{ units}^2$

6) $A = 12\pi + 8\sqrt{3}$
 $A \approx 51.56$

7) $b_1 = 9 \text{ cm}$

8) $h = 7 \text{ cm}$

9) $h = 22 \text{ cm}$

10) $C = 18\pi$

11) $A = \frac{100}{\pi}$

12) $392.5 \text{ in}^2 = A$

13) $16\pi \text{ cm}^2 = A$

14) $P = 12\pi$

15) $\text{arc length} = \frac{56\pi}{9} \text{ cm}$

~~16)~~ $A = \frac{224\pi}{9}$

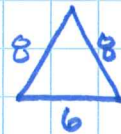
16) $x = 15$ sides 8, 15, 17

17) $A = 169\pi - 240$
 $\approx 290.93 \text{ cm}^2$

18) $r = \text{~~10~~ } 10$

19 a) $A = 16\pi + 48$
 b) $P = 4\pi + 8\sqrt{10}$

20) $x = 2$



$P = 22$

21) 5π

22) $\frac{\pi}{12}$

23) $-\frac{\pi}{12}$