

9) $A = \frac{1}{4} \sqrt{3} (5^2)$
 $= \underline{10.8 \text{ units}^2}$

10) $A = \frac{1}{4} \sqrt{3} (11^2)$
 $= \underline{52.4 \text{ units}^2}$

11) $A = \frac{1}{4} \sqrt{3} (7\sqrt{5})^2$
 $= \underline{106.1 \text{ units}^2}$

12) $\frac{360}{9} = \underline{40^\circ}$

13) $\frac{360}{12} = \underline{30^\circ}$

14) $\frac{360}{15} = \underline{24^\circ}$

15) $\frac{360}{180} = \underline{2^\circ}$

16) $A = \frac{1}{2} (4\sqrt{2})(32\sqrt{2})$
 $= \underline{128 \text{ units}^2}$

17) $A = \frac{1}{2} (6)(36\sqrt{3})$
 $= 108\sqrt{3} \approx \underline{187.1 \text{ units}^2}$

18) $A = \frac{1}{2} (10\sqrt{3})(120)$
 $= 600\sqrt{3} \approx \underline{1039.2 \text{ units}^2}$

19) $P = 30\sqrt{3}$

$A = \frac{1}{2} (5)(30\sqrt{3})$

$= 75\sqrt{3} \approx \underline{129.9 \text{ units}^2}$

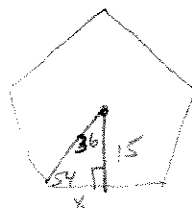
20)



$P = 2\sqrt{2} \cdot 8$
 $= 16\sqrt{2}$

$A = \frac{1}{2} (2\sqrt{2})(16\sqrt{2})$
 $= \underline{32 \text{ units}^2}$

21)



$\tan 54 = \frac{15}{x}$

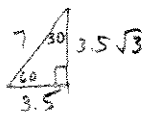
$x = 10.9 \cdot 10 = 109$

$P = 109$

$A = \frac{1}{2} (15)(109)$

$= \underline{817.5 \text{ units}^2}$

22)



$P = 3.5 \cdot 12$
 $= 42$

$A = \frac{1}{2} (3.5\sqrt{2})(42)$
 $= \underline{127.3 \text{ units}^2}$

23)



$\sin 22.5 = \frac{x}{16}$

$x = 4.2 \cdot 16 = \underline{67.2 = A}$

$\cos 22.5 = \frac{y}{16}$

$y = 10.2$

$A = \frac{1}{2} (10.2)(67.2)$

$= \underline{342.7 \text{ units}^2}$

24)



$\sin 15 = \frac{x}{9}$ $\cos 15 = \frac{y}{9}$

$x = 2.3$

$y = 8.7$

$P = 2.3 \cdot 24 = \underline{55.2}$

$A = \frac{1}{2} (8.7)(55.2)$
 $= \underline{240.1 \text{ units}^2}$

25) $A = \frac{1}{2} bh$

$= \frac{1}{2} (10\sqrt{3})(15)$

$= 75\sqrt{3} \approx \underline{129.9 \text{ m}^2}$

27) T

26) $A = \frac{1}{2} (7.5)(48)$

$= \underline{180 \text{ m}^2}$

28) T

29) F