

Homework Answers 5.6

Ready

1. 35 cm^2
2. 171 cm^2
3. 66.68 cm^2
4. 175.84 cm^2
5. 196.71 cm^2

Set

6. .65 miles or 3422.33 feet
7. 5.46 miles

Go

8. $8\sqrt{2}$
9. $17\sqrt{2}$
10. $s = \frac{h\sqrt{2}}{2}$
11. $5\sqrt{3}$ and $10\sqrt{3}$
12. $8\sqrt{3}$ and $16\sqrt{3}$
13. $leg = \frac{\text{known leg}}{3} \cdot \sqrt{3}$ and $hypotenuse = \frac{2}{3}(\text{known leg}) \cdot \sqrt{3}$
14. 45° , s , $s\sqrt{2}$
15. 60° , $\frac{H}{2}$, $\frac{\sqrt{3}}{2}H$
16. $\frac{\sqrt{2}}{2}$
 $\frac{\sqrt{2}}{2}$
1
17. $\frac{1}{2}$
 $\frac{\sqrt{3}}{2}$
 $\frac{\sqrt{3}}{3}$
18. $\frac{\sqrt{3}}{2}$
 $\frac{1}{2}$
 $\sqrt{3}$