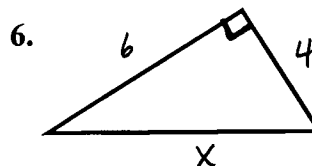
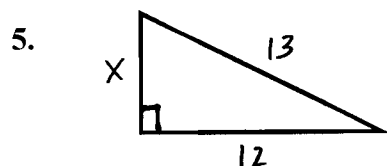


**REVIEW PROBLEMS**  
(7-2, 7-3, 7-5)

**SIMPLIFY THE FOLLOWING RADICALS:**

1.  $\sqrt{96}$       2.  $\frac{10}{\sqrt{5}}$       3.  $2\sqrt{24}$       4.  $(3\sqrt{6})^2$

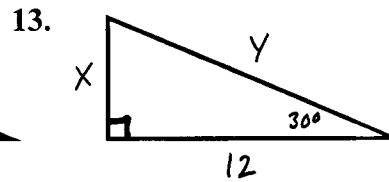
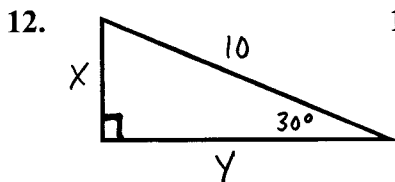
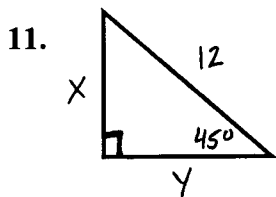
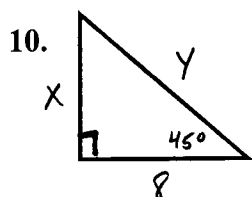
**SOLVE THE FOLLOWING USING THE PYTHAGOREAN THEOREM:**



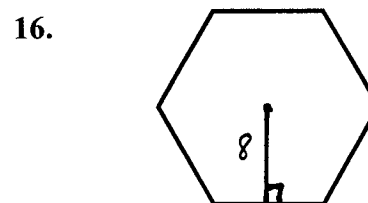
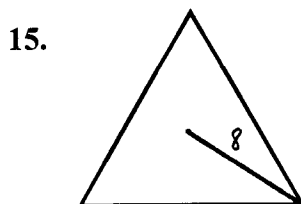
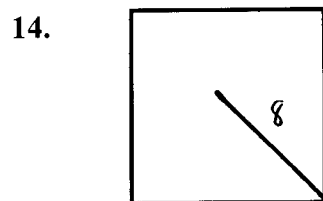
**NAME THE TYPE OF TRIANGLE FORMED:**

7. 5, 8, 6 \_\_\_\_\_  
 8. 10, 12, 10 \_\_\_\_\_  
 9.  $8, 4\sqrt{3}, 4$  \_\_\_\_\_

**FIND THE MISSING LENGTHS:**



**FIND THE AREA OF THE FOLLOWING REGULAR POLYGONS:**



\*\*\*\*\* ANSWERS \*\*\*\*\*

- |                |                     |                            |                                    |
|----------------|---------------------|----------------------------|------------------------------------|
| 1. $4\sqrt{6}$ | 5. $x = 5$          | 9. right                   | 13. $x = 4\sqrt{3}, y = 8\sqrt{3}$ |
| 2. $2\sqrt{5}$ | 6. $x = 2\sqrt{13}$ | 10. $x = 8, y = 8\sqrt{2}$ | 14. 128                            |
| 3. $4\sqrt{6}$ | 7. obtuse           | 11. $x = y = 6\sqrt{2}$    | 15. $48\sqrt{3}$                   |
| 4. 54          | 8. acute            | 12. $x = 5, y = 5\sqrt{3}$ | 16. $128\sqrt{3}$                  |