

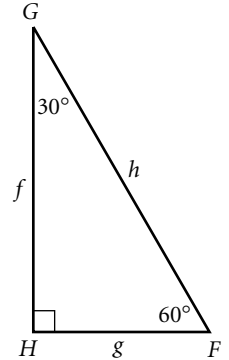


Practice

5.5 Special Triangles and Areas of Regular Polygons

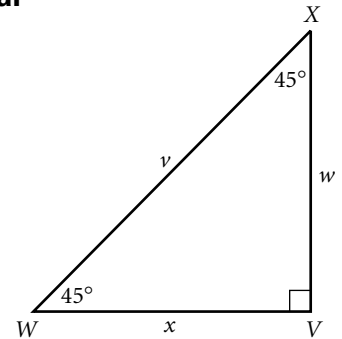
For Exercises 1–5, refer to $\triangle HGF$. For each given length, find the remaining two lengths. Give your answers in simplest radical form.

1. $f = 2\sqrt{3}$ _____
2. $h = 12$ _____
3. $g = 1$ _____
4. $g = 5$ _____
5. $h = 8$ _____

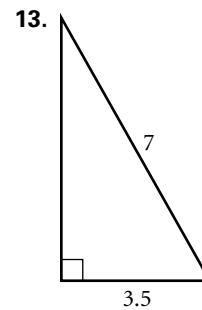
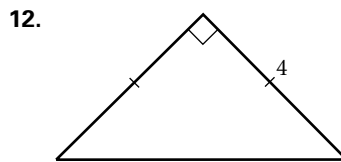
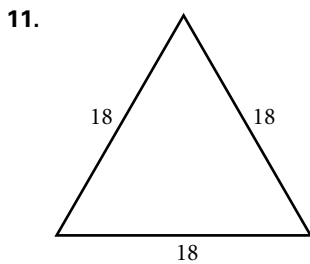


For Exercises 6–10, refer to $\triangle XVW$. For each given length, find the remaining two lengths. Give your answers in simplest radical form.

6. $x = 3$ _____
7. $v = 9$ _____
8. $w = 7$ _____
9. $v = 14$ _____
10. $x = 23$ _____



In Exercises 11–15, find the area of each figure. Round your answers to the nearest tenth.



14. a square with a diagonal length of $8\sqrt{2}$ _____

15. a square with a diagonal length of 5 feet _____