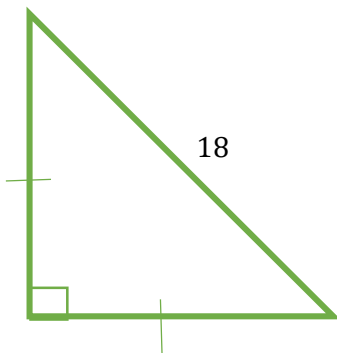


1. When the legs of a 45-45-90 triangle are  $x$ , the hypotenuse is \_\_\_\_\_ (Color the answer **green**)

2. Simplify:  $\frac{12\sqrt{3}}{\sqrt{11}}$  (color the answer **blue**)

3. An isosceles triangle has congruent sides of 40 cm. The base is 28 cm. Find the height of the triangle. Please leave your answer in simplified radical form. (color the answer **black**)



4. Using the diagram to the left, Find the length of the legs.

(Color your answer **red**)

5. In a 30-60-90 triangle, the longest leg is  $5\sqrt{6}$ , what is the length of the hypotenuse?

(color the answer **yellow**)

