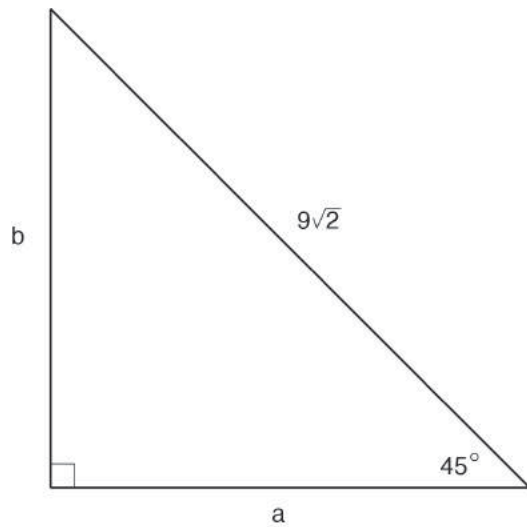


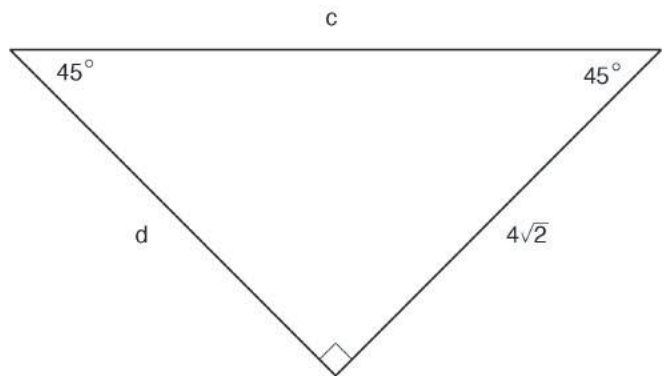
Solving Problems with 45-45-90 Triangles, part 2

Use our class conjecture to determine the exact lengths. Assume all measurements are in centimeters unless otherwise stated.

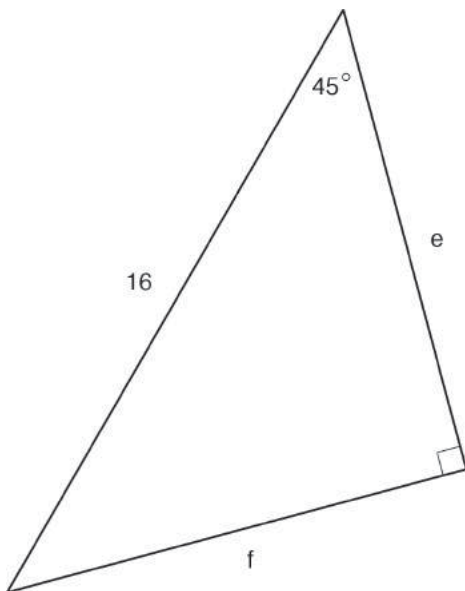
1. $a = \underline{\hspace{1cm}}$ $b = \underline{\hspace{1cm}}$



2. $c = \underline{\hspace{1cm}}$ $d = \underline{\hspace{1cm}}$

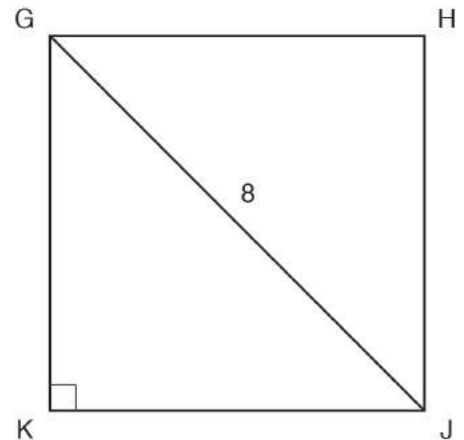


3. $e = \underline{\hspace{1cm}}$ $f = \underline{\hspace{1cm}}$

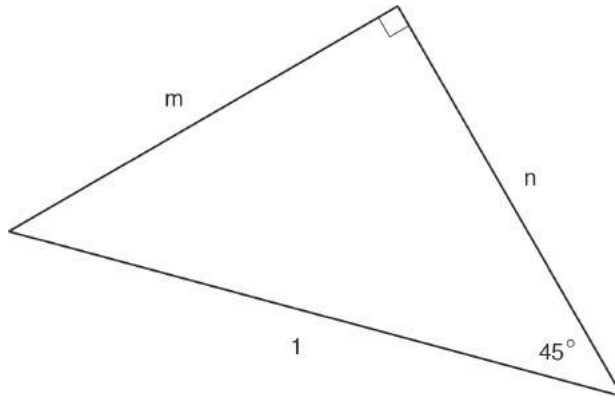


4. What is the perimeter of square GHJK?

Perimeter = _____



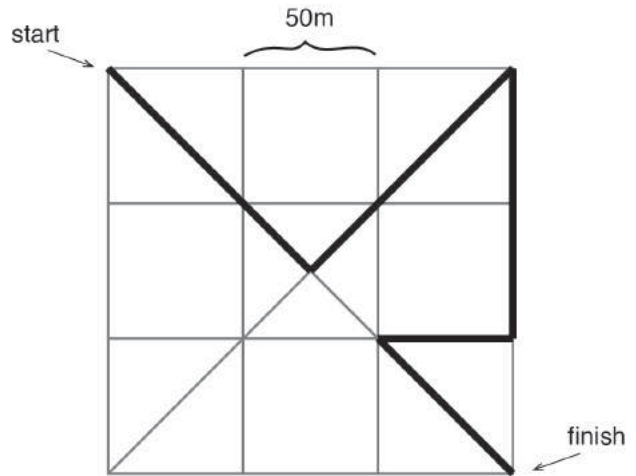
5. $m = \underline{\hspace{2cm}}$ $n = \underline{\hspace{2cm}}$



6. You take another walk in the botanical garden, following the path shown in black.

a. What is the distance you walked in the garden? Express the distance exactly.

b. Use a calculator and approximate the distance you walked in the garden to the nearest meter.



7. Determine the exact lengths. $a = \underline{\hspace{2cm}}$ $b = \underline{\hspace{2cm}}$ $c = \underline{\hspace{2cm}}$

