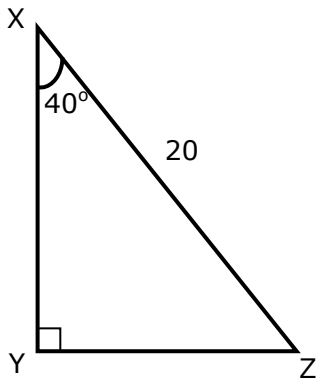
Name _____ Date _____

Special Right Triangles (Geometry emphasis) - Step-by-Step Lesson



XZ = 20 and angle X is 40^{o}.

Find the length of YZ.

Explanation:

This is a 40^{o} – 50^{o} - 90^{o} triangle.

H (hypotenuse)

p (perpendicular)

b (base)

b = (1/2)H

$b = \frac{1}{2} \times 20$

b = 10

So, the answer is YZ = 10.