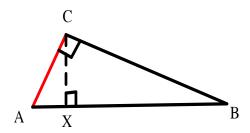
Geometric Mean Theorems – Right Triangles – Side

Side is Geometric Mean between Segment Adjacent to Hypotenuse and Hypotenuse



$$\frac{AX}{AC} = \frac{AC}{AB}$$

Use the diagram above to answer the following questions.

- 1. Find AC if AX = 4 and AB = 9
- 2. Find AC if AX = 2 and AB 8
- 3. Find AX if AC = 8 and AB = 16
- 4. Find AB if AC = 6 and AX = 4. Find XB.
- 5. Find AB if AC = 10 and AX = 5. Find XB.
- 6. Find AC if AX = 3 and AB = 8. Find XB.
- 7. Find AX if $AC = 2\sqrt{3}$ and AB = 8
- 8. Rewrite the formula if we used side BC.