

Similar Right Triangles

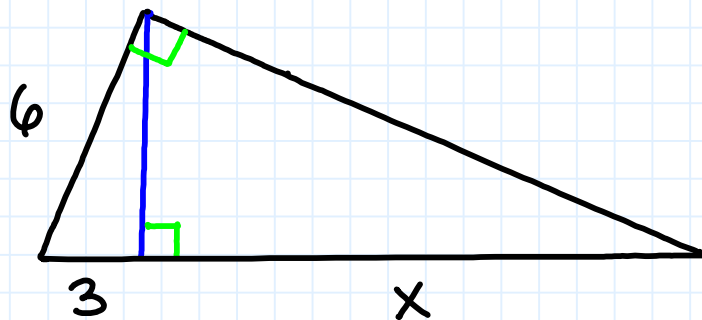
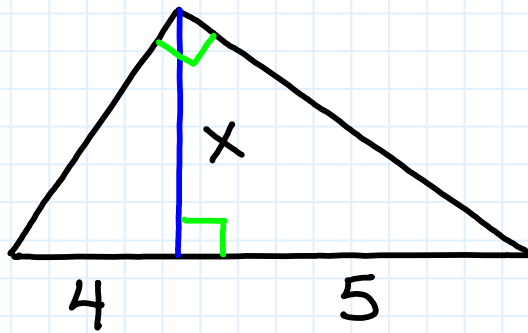


Overview of problems



Example Set: A

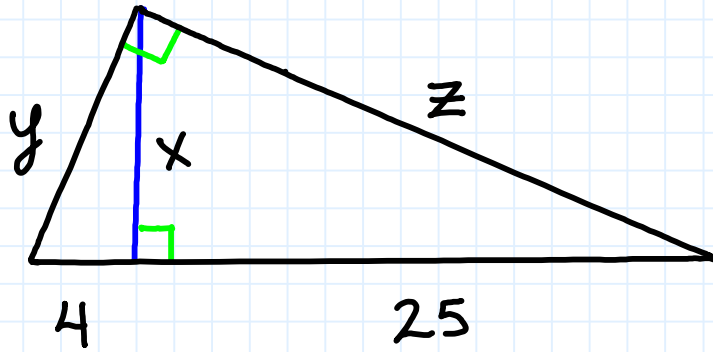
Find the values of the variables





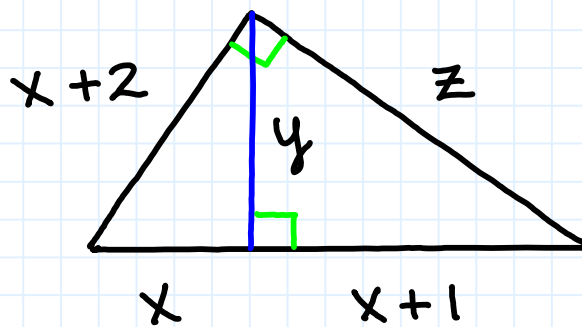
Example Set: B

Find the values of the variables



Example Set: C

Find the values of the variables



Similar Right Triangles

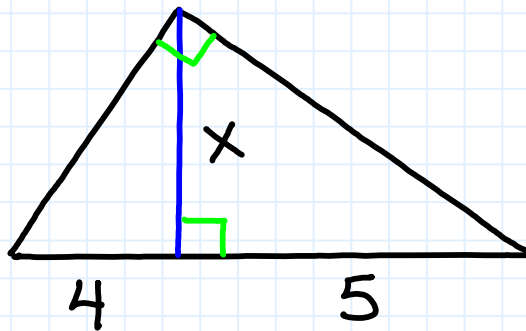


Overview of problems- KEY

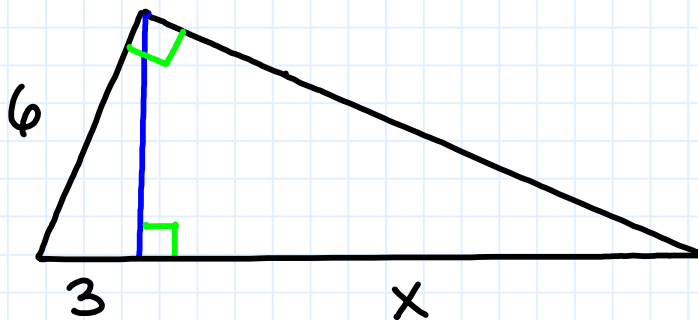


Example Set: A

Find the values of the variables



$$x = 2\sqrt{5}$$

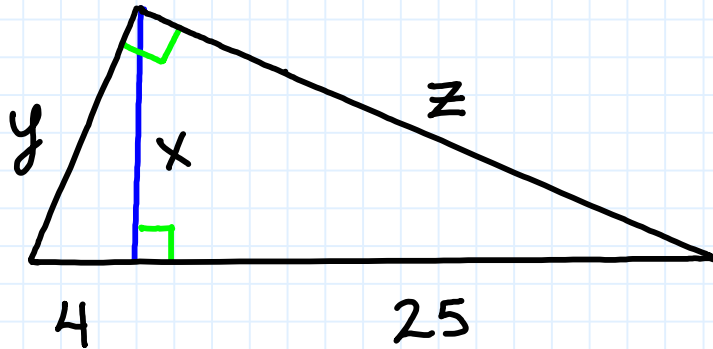


$$x = 9$$



Example Set: B

Find the values of the variables

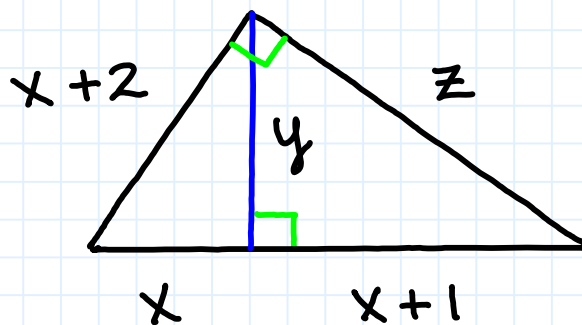


$$\begin{aligned}x &= 10 \\y &= 2\sqrt{29} \\z &= 5\sqrt{29}\end{aligned}$$



Example Set: C

Find the values of the variables



$$\begin{aligned}x &= 4 \\y &= 2\sqrt{5} \\z &= 3\sqrt{5}\end{aligned}$$