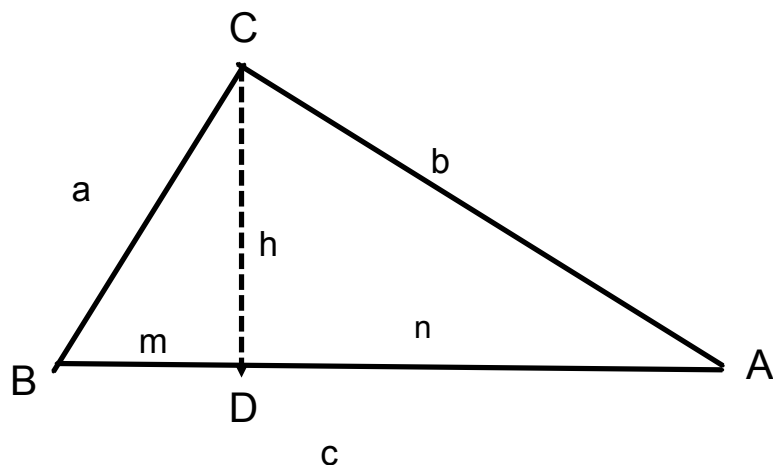


Metric Relations



1. Redraw the triangles ABC, BCD, and ACD so that they are all oriented the same way. Make sure to label the sides.
2. Suppose that $a = 6$, $b = 8$, $c = 10$. Set up ratios using this information and only one unknown measure to find the measures of the remaining sides. Hint: Find m and n before trying to find h .
3. See if you can find a different way to set up the ratios to find h .
4. Suppose we aren't given any numbers. Set up the ratios as you did before, but without plugging in the numbers, to find the general rules for finding missing measurements.