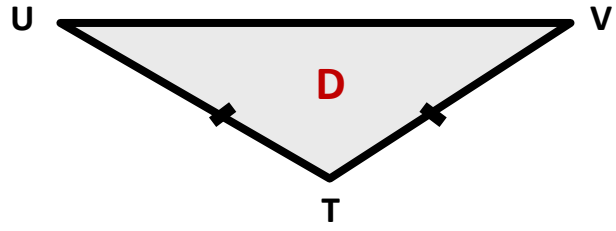
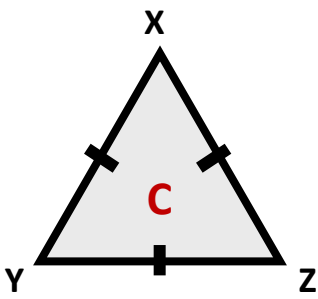


In triangle A above, if  $PQ = 2x + 12$ ,  $QR = x + 1$ , and  $PR = 5x - 6$ . Find  $x$  and  $QR$ .

In triangle A above, if  $\angle P = 3y + 12$ ,  $\angle Q = 5y + 6$ , and  $\angle R = 7y - 18$ . Find  $y$  and  $\angle P$ .

In triangle B above, if  $JK = 2x - 10$ ,  $KL = x + 2$ , and  $JL = 3x - 22$ . Find  $x$  and  $KL$ .

In triangle B above, if  $\angle J = 6y - 6$ ,  $\angle K = 5y + 5$ , and  $\angle L = 4y + 16$ . Find  $y$  and  $\angle J$ .



In triangle C above, if  $XY = 2x + 4$ ,  $XZ = 5x - 14$ , and  $YZ = 3x - 2$ . Find  $x$  and  $YZ$ .

In triangle C above, if  $\angle X = 12y$ ,  $\angle Y = 15y - 15$ , and  $\angle Z = 7y + 25$ . Find  $y$  and  $\angle Z$ .

In triangle D above, if  $TU = 2x - 4$ ,  $UV = 3x + 1$ , and  $TV = x + 6$ . Find  $x$  and  $UV$ .

In triangle D above, if  $\angle T = 16y + 20$ ,  $\angle U = 5y + 15$ , and  $\angle V = 6y + 10$ . Find  $y$  and  $\angle T$ .