## Math 2 Unit 4B Quiz Review

Name:
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Date:\_\_\_\_\_

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1)	$m \angle A = 108$	$m \angle X = $
	$m \angle B = 42$	$m \angle Y =$
	AB = 4	$m \angle Z = $
	BC = 54	
	perimeter of $\triangle ABC = 75$	<i>XY</i> =
		YZ =
		<i>XZ</i> =
2)		<i>x</i> =
	$m \angle X = 6x + 34$	$m \angle A =$
	AC = 2y + 11	$m \angle X =$
	XZ = 6y - 37	
		<i>y</i> =
		AC =
		<i>XZ</i> =
3)	$m \angle A = 74$	<i>x</i> =
	$m \angle B = 83$	$m \angle X = $
	$m \angle Z = 2x + 5$	$m \perp X$
	AB = x + 8	
	XZ = 5x - 12	$m \angle Z = $
		<i>XY</i> =
		<i>XZ</i> =
4)	$m \angle A = 5x + 47$	<i>x</i> =
	$m \angle B = 4x + 6$	y =
	$m \perp C = 5y - 4$	-
	$m \angle X = 92$	$m \angle Y = $
	AB = y + 11	$m \angle Z = $
	BC = 4x - 1	<i>XY</i> =
		<i>YZ</i> =
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Determine if the following triangles are congruent. If yes, make a congruency statement and give the reason why they are congruent. If they are not congruent, write "not congruent".

