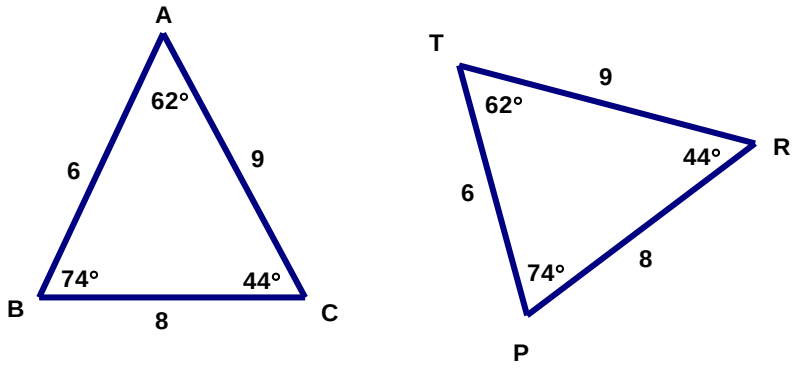
4-2 Congruent Triangles

Name: _____ Time› Start: _____ Finish: _____ Total Time = _____



Consider the triangles above and complete the statements below given that the two triangles are congruent.

1. $\overline{AB} \cong$ _____ 2. $\angle B \cong$ _____ 3. $\overline{PR} \cong$ _____

4. $\angle C \cong$ _____ 5. $\overline{AC} \cong$ _____ 6. $\angle T \cong$ _____

Given that $\Delta NOP \cong \Delta BXD$, complete the statements below.

7. $\overline{OP} \cong$ _____ 8. $\angle B \cong$ _____ 9. $\overline{NO} \cong$ _____

10. $\angle P \cong$ _____ 11. $\overline{PN} \cong$ _____ 12. $\angle X \cong$ _____

Let the following be true: $\Delta ABC \cong \Delta XYZ$, AB = 8, BC = 10, AC = 11.

_____ 13. If XY = 2n, what is the value of n?

_____ 14. If ZX = 2n – 1, what is the value of n?

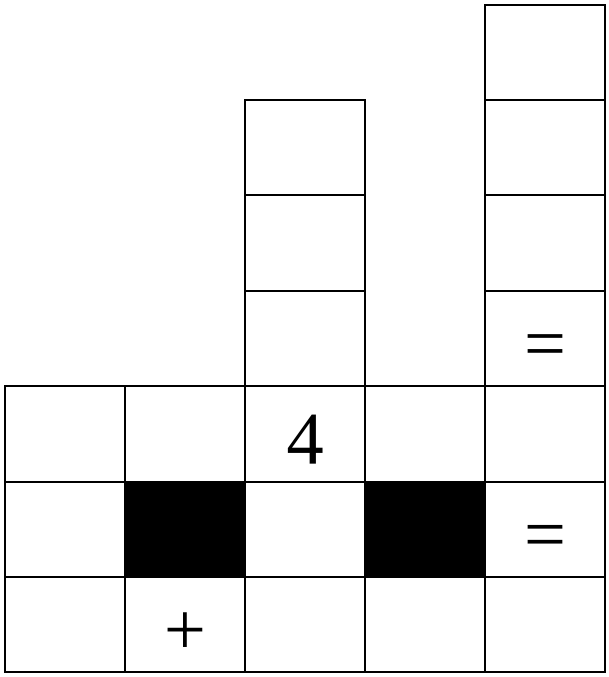
_____ 15. If $\Delta RST \cong \Delta HIJ, \angle R = 97°, \angle J = 37°,$ and $\angle S = 4x + 14$, what is the value of x?

_____ 16. If $\Delta ABC \cong \Delta XYZ$, which of the following must be true?

A. $\angle A = \angle Z$ C. XZ = BC

B. AC = XY D. None of the above

Mabble 9



2	2	2	2	3	4	6

6	+	*	$\wedge^2$	=	=	=

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