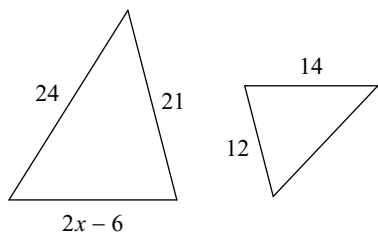


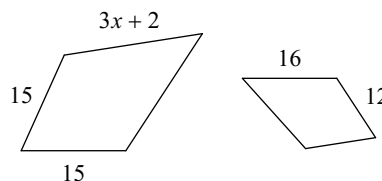
Unit 3 Review

Solve for x . The polygons in each pair are similar.

1)

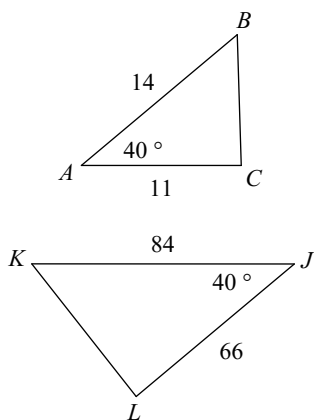


2)



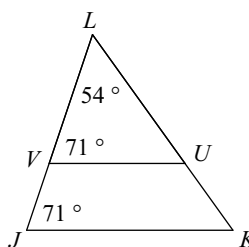
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

3)



$\triangle JKL \sim$ _____

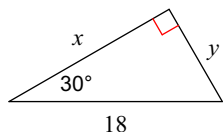
4)



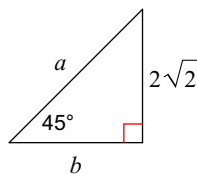
$\triangle LKJ \sim$ _____

These are special right triangles. Find the missing side lengths. Leave your answers as radicals in simplest form.

5)

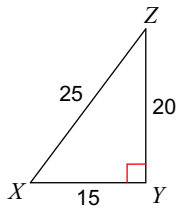


6)

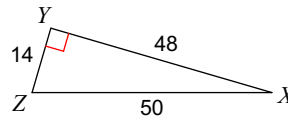


Find the value of each trigonometric ratio. Your answers should be simplified fractions.

7) $\tan X$

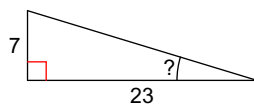


8) $\tan Z$

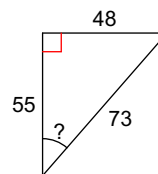


Find the measure of the indicated angle to the nearest tenth of a degree.

9)

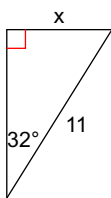


10)

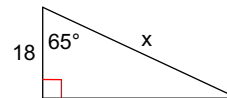


Find the missing side. Round to the nearest tenth.

11)



12)



Find the area & perimeter of the triangle. Do not round intermediate values. Round your final answer to the nearest tenth.

13)

