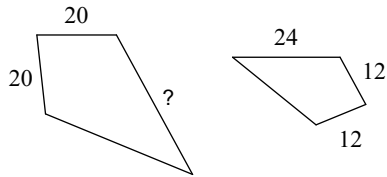


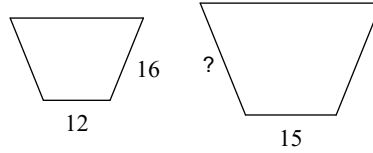
Quiz Review

The polygons in each pair are similar. Find the missing side length.

1)

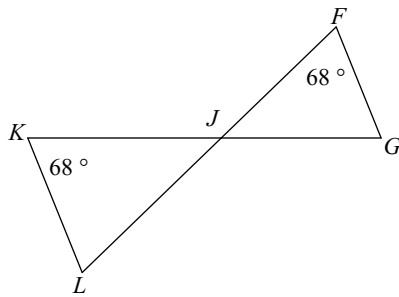


2)



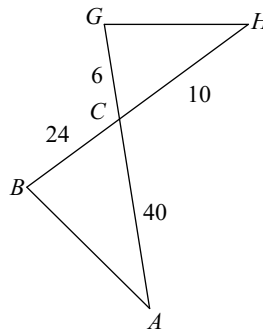
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

3)



$\triangle JKL \sim$ _____

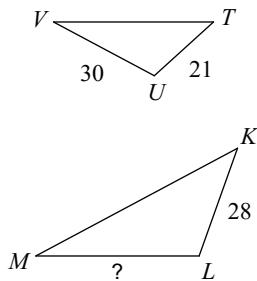
4)



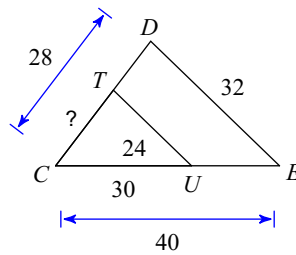
$\triangle CBA \sim$ _____

Find the missing length. The triangles in each pair are similar.

5) $\triangle KLM \sim \triangle TUV$

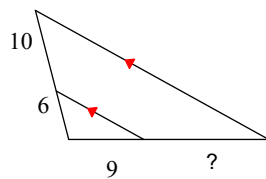


6)

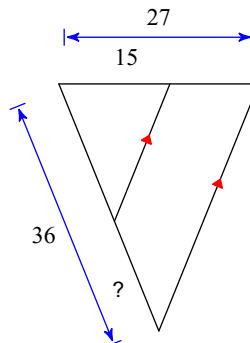


Find the missing length indicated.

7)

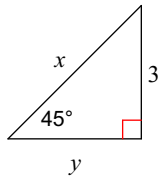


8)

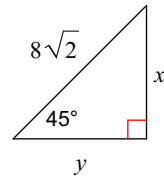


Find the missing side lengths. Leave your answers as radicals in simplest form.

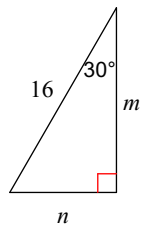
9)



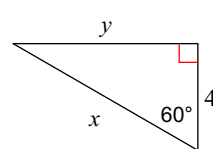
10)



11)

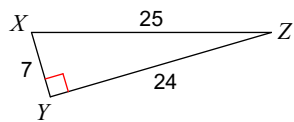


12)

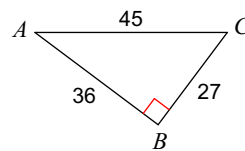


Find the value of each trigonometric ratio. Fraction in simplest terms.

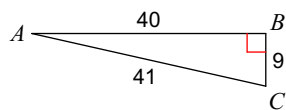
13) $\tan Z$



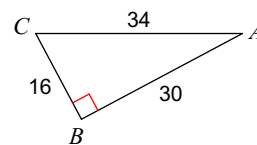
14) $\tan C$



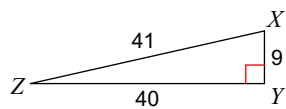
15) $\cos A$



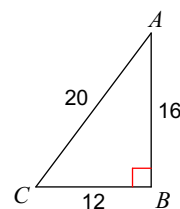
16) $\cos A$



17) $\tan Z$



18) $\sin C$



Answers to Quiz Review

- | | | | |
|---|-------------------------------|--|-----------------------|
| 1) 40 | 2) 20 | 3) similar; AA similarity; $\triangle JFG$ | |
| 4) similar; SAS similarity; $\triangle CGH$ | | 5) 40 | 6) 21 |
| 7) 15 | 8) 16 | 9) $x = 3\sqrt{2}$, $y = 3$ | 10) $x = 8$, $y = 8$ |
| 11) $m = 8\sqrt{3}$, $n = 8$ | 12) $x = 8$, $y = 4\sqrt{3}$ | 13) $\frac{7}{24}$ | 14) $\frac{4}{3}$ |
| 15) $\frac{40}{41}$ | 16) $\frac{15}{17}$ | 17) $\frac{9}{40}$ | 18) $\frac{4}{5}$ |