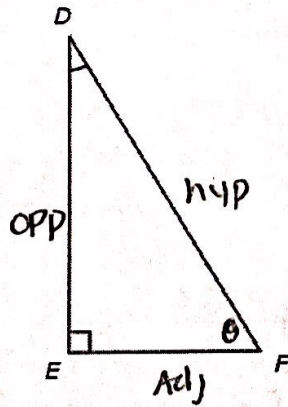
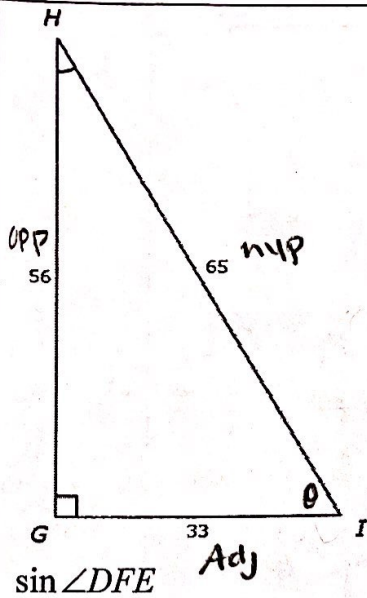
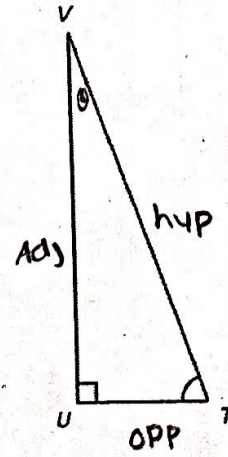
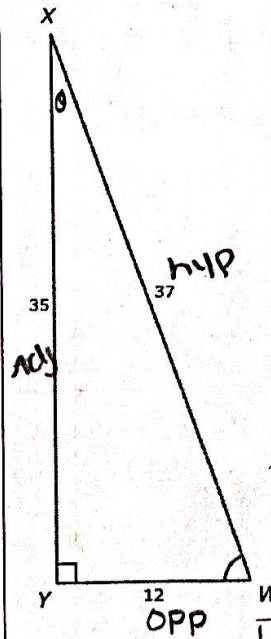


The following pairs of triangles are similar. Find the value of the indicated trig ratio. Give your answer as a reduced fraction and as a decimal rounded to the thousandths place.



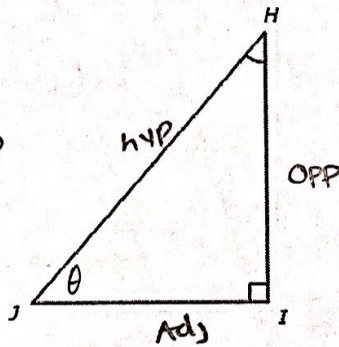
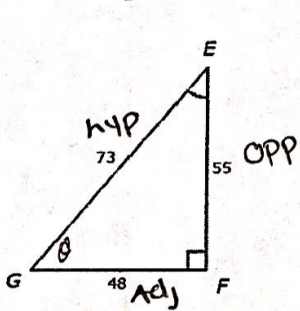
$\sin \angle DFE$

$$\frac{56}{65} \approx 0.861$$



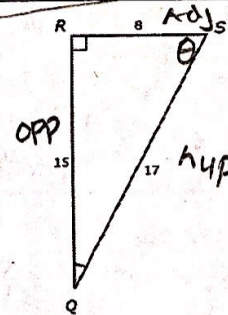
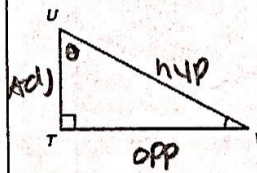
$\cos \angle TVU$

$$\frac{35}{37} \approx 0.946$$



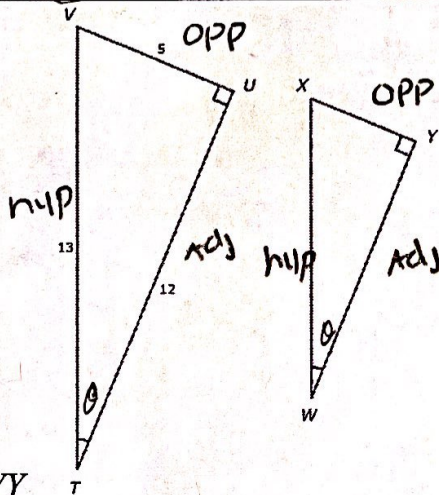
$\tan \angle IJH$

$$\frac{55}{48} \approx 1.146$$



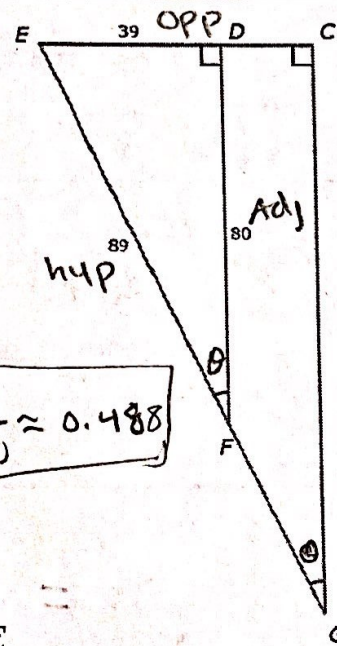
$\sin \angle TUV$

$$\frac{15}{17} \approx 0.882$$



$\cos \angle XWY$

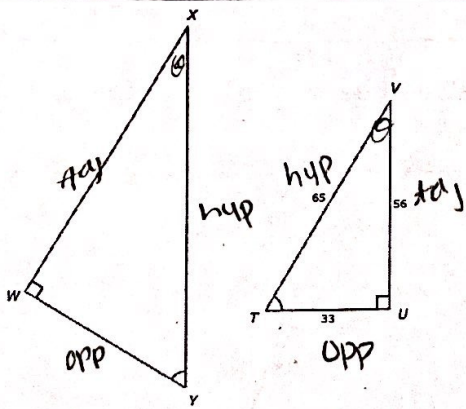
$$\frac{12}{13} \approx 0.923$$



$\tan \angle CGE$

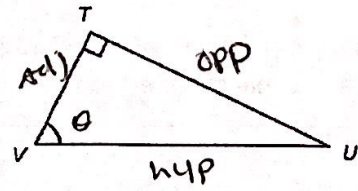
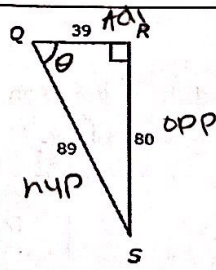
$$\frac{39}{80} \approx 0.488$$





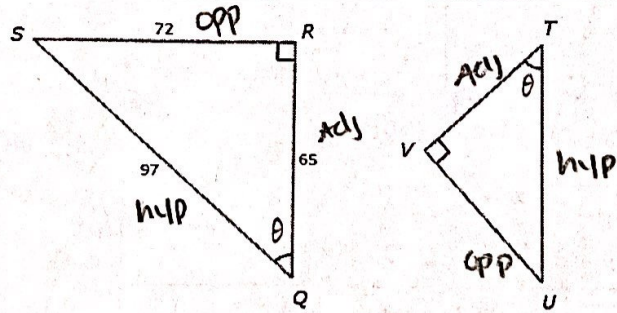
$\sin \angle WXY$

$$\frac{33}{65} \approx 0.508$$



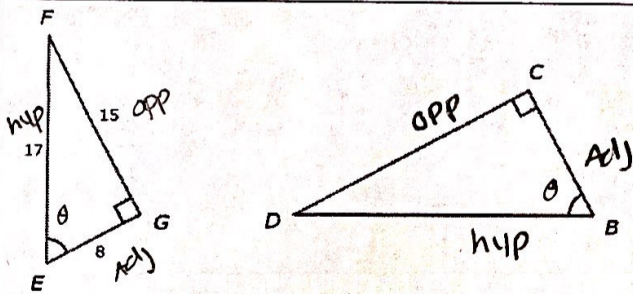
$\cos \angle UVT$

$$\frac{39}{89} \approx 0.438$$



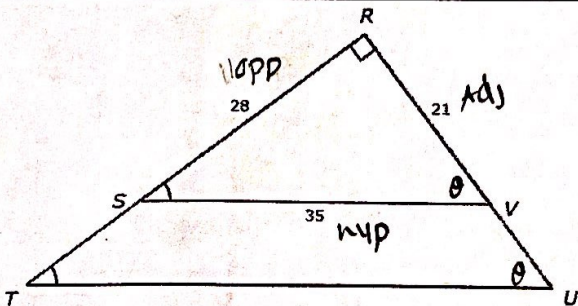
$\tan \angle UTV$

$$\frac{72}{65} \approx 1.108$$



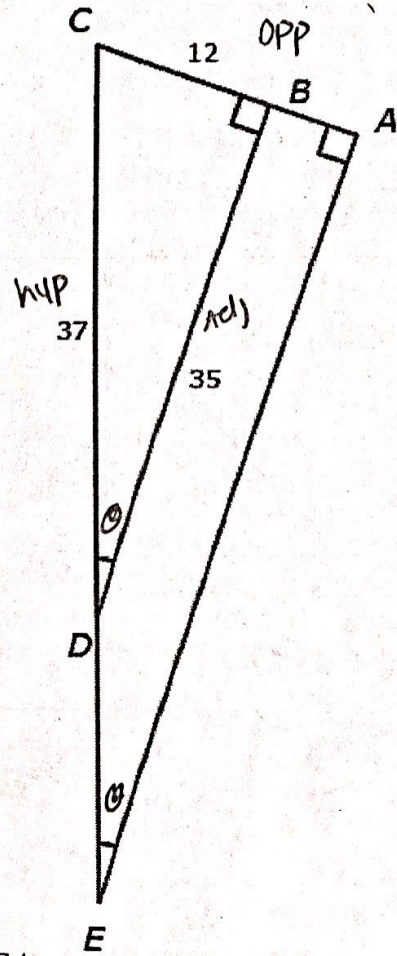
$\tan \angle DBC$

$$\frac{15}{8} \approx 1.875$$



$\cos \angle RUT$

$$\frac{21}{35} = \frac{3}{5} \approx 0.600$$



$\sin \angle CEA$

$$\frac{12}{37} \approx 0.324$$