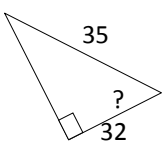
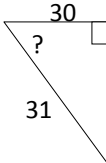


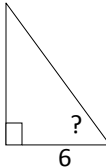
10.8

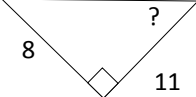
1)  $\sin z = 0.4848$   
 $z = 29^\circ$

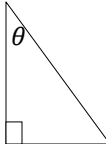
3)  $\sin y = 0.6561$   
 $y = 41^\circ$

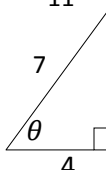
5)   $\cos x = \frac{32}{35}$   
 $\cos x = .9143$   
 $x = 24^\circ$

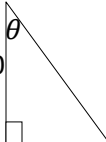
7)   $\cos x = \frac{30}{31}$   
 $\cos x = .9677$   
 $x = 15^\circ$

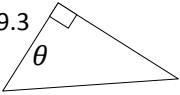
9)   $\tan x = \frac{3}{6}$   
 $\tan x = .5$   
 $x = 27^\circ$

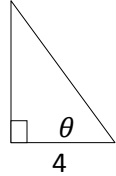
11)   $\tan \theta = \frac{11}{8}$   
 $\tan \theta = .7273$   
 $\theta = 36^\circ$

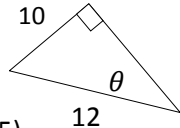
13)   $\cos \theta = \frac{4}{7}$   
 $\cos \theta = 0.5714$   
 $\theta = 55.2^\circ$

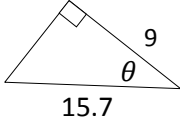
15)   $\cos \theta = \frac{4}{7}$   
 $\cos \theta = 0.5714$   
 $\cos \theta = 55.2^\circ$

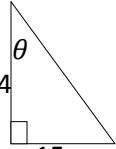
17)   $\tan \theta = \frac{16}{10}$   
 $\tan \theta = 1.6$   
 $\tan \theta = 58^\circ$

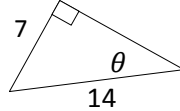
19)   $\cos \theta = \frac{9.3}{13.2}$   
 $\cos \theta = 0.7045$   
 $\cos \theta = 45.2^\circ$

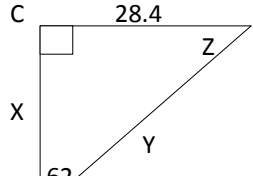
21)   $\tan \theta = \frac{5}{4}$   
 $\tan \theta = 1.25$   
 $\tan \theta = 51.3^\circ$

23)   $\sin \theta = \frac{10}{15.7}$   
 $\sin \theta = 0.8333$   
 $\sin \theta = 56.4^\circ$

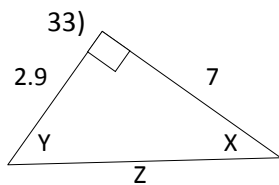
25)   $\cos \theta = \frac{9}{15.7}$   
 $\cos \theta = 0.5732$   
 $\cos \theta = 55^\circ$

27)   $\tan \theta = \frac{15}{14}$   
 $\tan \theta = 1.0714$   
 $\tan \theta = 47^\circ$

29)   $\sin \theta = \frac{7}{14}$   
 $\sin \theta = 0.5$   
 $\sin \theta = 30^\circ$

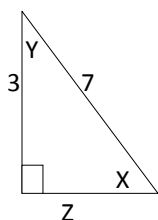
31)   $(x) \tan 62 = \frac{28.4}{x} (x)$   
 $\frac{x \tan 62}{\tan 62} = \frac{28.4}{\tan 62}$   
 $x = \frac{28.4}{\tan 62}$   
 $x = \frac{28.4}{1.8507}$   
 $x = 15.1$

$15.1^2 + 28.4^2 = y^2$   
 $228.01 + 806.56 = y^2$   
 $\sqrt{1034.57} = \sqrt{y^2}$   
 $32.2 = y$   
 $z = 90 - 62$   
 $z = 28^\circ$



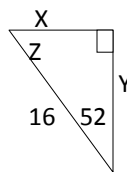
$$\begin{aligned} \tan x &= \frac{2.9}{7} \\ \tan x &= .4143 \\ x &= 22.5^\circ \\ y &= 90 - 22.5 \\ y &= 67.5^\circ \\ 2.9^2 + 7^2 &= z^2 \\ 8.41 + 49 &= z^2 \\ \sqrt{57.41} &= \sqrt{z^2} \\ 7.6 &= z \end{aligned}$$

35)



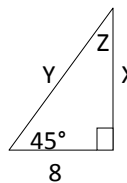
$$\begin{aligned} \sin x &= \frac{3}{7} \\ \sin x &= .4286 \\ x &= 25.4^\circ \\ y &= 90 - 25.4 \\ y &= 64.6^\circ \\ 3^2 + z^2 &= 7^2 \\ 9 + z^2 &= 49 \\ \frac{-9}{-9} & \quad \frac{-9}{-9} \\ \sqrt{z^2} &= \sqrt{40} \\ z &= 6.3 \end{aligned}$$

37)



$$\begin{aligned} (16) \sin 52 &= \frac{x}{16} (16) \\ 16 \sin 52 &= x \\ 16(.7880) &= x \\ 12.6 &= x \\ 12.6^2 + y^2 &= 16^2 \\ 158.76 + y^2 &= 256 \\ \frac{-158.76}{-158.76} & \quad \frac{-158.76}{-158.76} \\ \sqrt{y^2} &= \sqrt{97.24} \\ y &= 9.9 \\ z &= 90 - 52 \\ z &= 38^\circ \end{aligned}$$

39)



$$\begin{aligned} (8) \tan 45 &= \frac{x}{8} (8) \\ 8 \tan 45 &= x \\ 8(1) &= x \\ 8 &= x \\ 8^2 + 8^2 &= y^2 \\ 64 + 64 &= y^2 \\ \sqrt{128} &= \sqrt{y^2} \\ 11.3 &= y \\ z &= 90 - 45 \\ z &= 45^\circ \end{aligned}$$