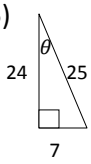
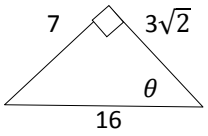
10. 7

1) $\cos 71 = 0.3256$

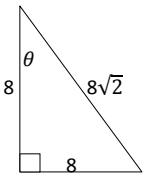
3) $\sin 75 = 0.9659$

5) 

$sin\theta = \frac{7}{25}$

7) 

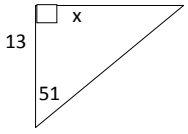
$\sin\theta = \frac{7}{16}$

9) 

$\sin\theta = \frac{8}{8\sqrt{2}}\left(\frac{\sqrt{2}}{\sqrt{2}}\right)$

$\sin\theta = \left(\frac{8\sqrt{2}}{8\cdot 2}\right)$

$\sin\theta = \frac{\sqrt{2}}{2}$

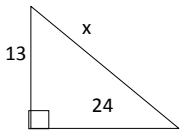
11) 

$(13)\tan 51 = \frac{x}{13}(13)$

$13\tan 51 = x$

$13(1.235) = x$

$16.05 = x$

13) 

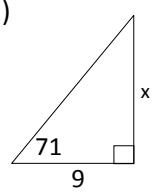
$(x)\sin 24 = \frac{13}{x}(x)$

$\frac{x\sin 24}{\sin 24} = \frac{13}{\sin 24}$

$x = \frac{13}{\sin 24}$

$x = \frac{13}{0.407}$

$x = 31.96$

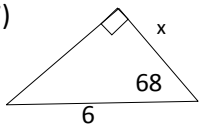
15) 

$(9)\tan 71 = \frac{x}{9}(9)$

$9\tan 71 = x$

$9(2.904) = x$

$26.14 = x$

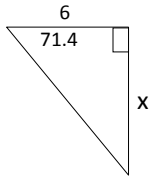
17) 

$(6)\cos 68 = \frac{x}{6}(6)$

$6\cos 68 = x$

$6(.3746) = x$

$2.25 = x$

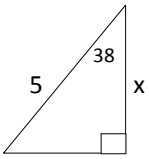
19) 

$(6)\tan 71.4 = \frac{x}{6}$

$6\tan 71.4 = x$

$6(2.9714) = x$

$17.83 = x$

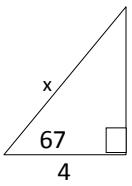
21) 

$(5)\cos 38 = \frac{x}{5}(5)$

$5\cos 38 = x$

$5(.7880) = x$

$3.94 = x$

23) 

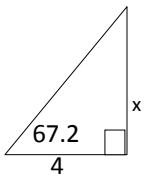
$(x)\cos 67 = \frac{4}{x}(x)$

$\frac{x\cos 67}{x\cos 67} = \frac{4}{\cos 67}$

$x = \frac{4}{\cos 67}$

$x = \frac{4}{.3907}$

$x = 10.24$

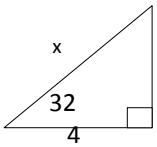
25) 

$(4)\tan 67.2 = \frac{x}{4}(4)$

$4\tan 67.2 = x$

$4(2.3789) = x$

$9.52 = x$

27) 

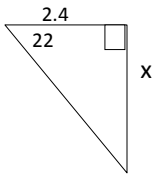
$(x)\cos 32 = \frac{4}{x}(x)$

$\frac{x\cos 32}{\cos 32} = \frac{4}{\cos 32}$

$x = \frac{4}{\cos 32}$

$x = \frac{4}{0.8480}$

$x = 4.72$

29) 

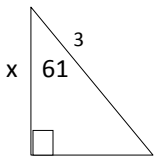
$(2.4)\tan 22 = \frac{x}{2.4}(2.4)$

$2.4\tan 22 = x$

$2.4(0.4040) = x$

$0.97 = x$

31)



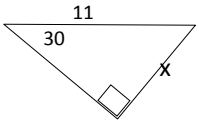
$(3)\cos 61 = \frac{x}{3}(3)$

$3\cos 61 = x$

$3(.4848) = x$

$1.45 = x$

33)



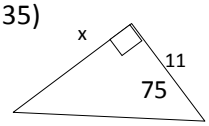
$(11)\sin 30 = \frac{x}{11}(11)$

$11\sin 30 = x$

$11(0.5) = x$

$5.5 = x$

35)



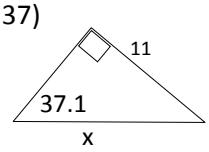
$(11)\tan 95 = \frac{x}{11}(11)$

$11\tan 95 = x$

$11(3.7321) = x$

$41.05 = x$

37)



$(x)\sin 37.1 = \frac{11}{x}(x)$

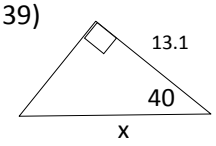
$\frac{x\sin 37.1}{\sin 37.1} = \frac{11}{\sin 37.1}$

$x = \frac{11}{\sin 37.1}$

$x = \frac{11}{.6032}$

$x = 18.24$

39)



$(x)\cos 40 = 13.1\ (x)$

$\frac{x\cos 40}{\cos 40} = \frac{13.1}{\cos 40}$

$x = \frac{13.1}{\cos 40}$

$x = \frac{13.1}{.7660}$

$x = 17.1$