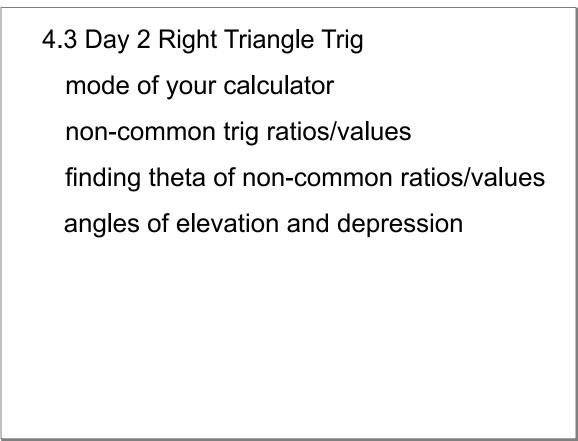


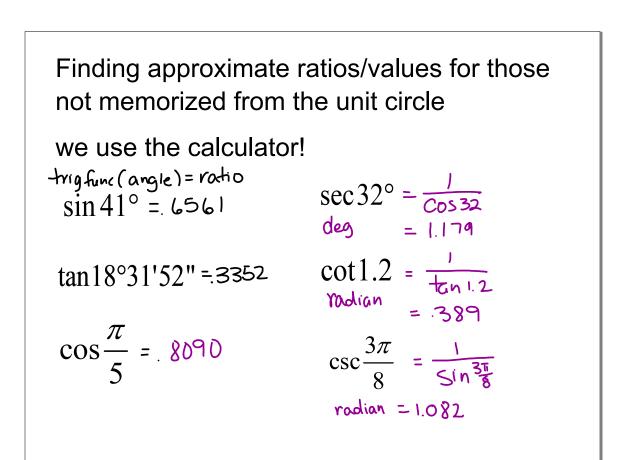
Jan 14-6:55 AM

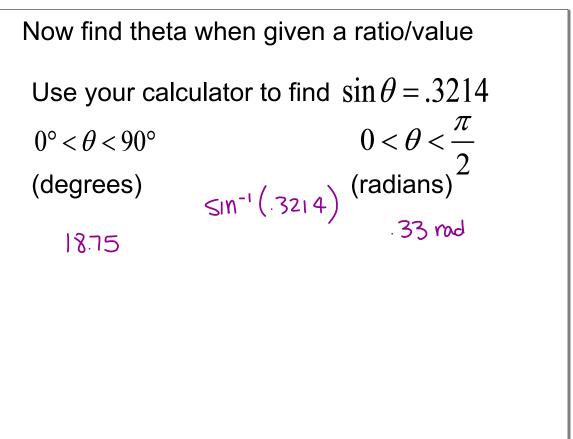
GO COUGARS!	
P284 Homework Question	
In Exercises 1-6, find the exact values of the six trigono- metric functions of the angle 0 shown in the figure. (Use the	
metric functions of the angle θ shown in the figure. (Use the Pythagorean Theorem to find the third side of the triangle.)	
L 2 11	
n Exercises 9-16, sketch a right triangle corresponding to the rigonometric function of the acute angle 6. Use the Ythagorean Theorem to determine the third side of the tri-	
regonameteric function of the actue angle of Use the Sylhagorean Theorem to determine the third side of the tri- mule and then find the other five trianometric functions of 0.	
9. $\sin \theta = \frac{5}{2}$ 10. $\cot \theta = 5$	
1. $\sec \theta = 4$ 3. $\tan \theta = 3$ 12. $\cos \theta = \frac{3}{2}$ 14. $\csc \theta = \frac{12}{2}$	
5. $\cot \theta = \frac{3}{4}$ 16. $\sin \theta = \frac{3}{4}$	
m Exercises 17-26, construct an appropriate triangle to susplote the table, $(0 \le 0 \le 40^\circ, 0 \le 0 \le w)^2)$	
supplets the table, $(0 \le \theta \le 90^\circ, 0 \le \theta \le w/2)$ Function $\theta(dex) = \theta(r_2d)$ Function Value	
7. sin 30°	
8. cos 45°	
, ,	
R. sec = = = = = = = = = = = = = = = = = = =	
Function #(deg) 0(rad) Function Value	
L est $\frac{\sqrt{3}}{3}$ L est \mathcal{A}	
2. co: 3. co: 4. co: 5.	
4 sin	
4 Lost 1	
s ter 🔲 🔲 📩	
n Exercises 27-42, complete the identity.	
2. $\sin \theta = \frac{1}{1}$ 28. $\cos \theta = \frac{1}{1}$	
9. $\tan \theta = \frac{1}{2}$ 30. $\cot \theta = \frac{1}{2}$	
E. sec $\theta = \frac{1}{1}$ 32. set $\theta = \frac{1}{1}$	
34. cot 0 =	
In Exercises 63-68, find each value of 0 in degrees	
$ 0^{\circ} < \theta < 90^{\circ} $ and radians $(0 < \theta < v/2)$ without using a solution.	Workbook Answers
33. (a) $\sin \theta = \frac{1}{2}$ (b) $\csc \theta = 2$	1. 3150 cm/min
44. (a) $\cos \theta = \frac{\sqrt{2}}{2}$ (b) $\tan \theta = 1$	3. 17001.03 rev/hr
85. (a) $\sec \theta = 2$ (b) $\cot \theta = 1$ 86. (a) $\tan \theta = \sqrt{3}$ (b) $\cos \theta = \frac{1}{2}$	5. 66659.4 mph
	7. 23023.3 rev/hr
 A flywheel with a 15-cm clameter is rotating at a rate of 7 radians/sec. What is the linear sy its rine, in continuotors per minute? 	peed of a point at
3. This text was printed on a four-color Webb heatset offset press. A cylinder on this press ha dameter. The lenear upwed of a point on the cylinder's surface is 35.53 feet per second. Wi the cylinder in revolutions per hour?	s a 13.37-in at is the speed of
The earth is \$3,000,000 million the use and traverses its offit, which is early citatian ever What is the timer upped of the earth is its color, modes per hour?	y 365.25 days.
Miguel induziati scoti the 1596 Toar de France Boyde razo. The wheel of his Boyde ball a 6 France Boyde in the raze was 48.441 km/h. How quickly did resolutions per boar?	-on diameter. his wheel spin in

Feb 2-9:51 PM

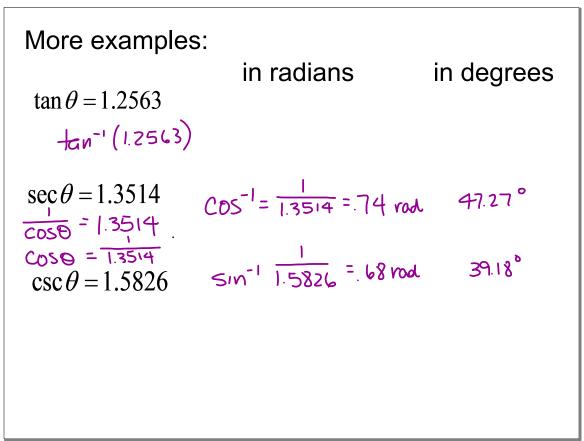


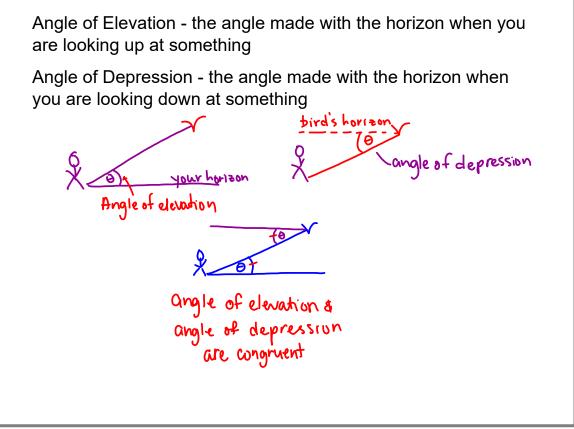
Dec 20-9:50 AM



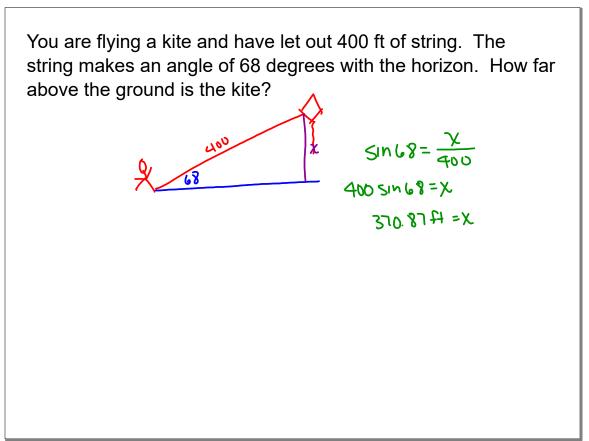


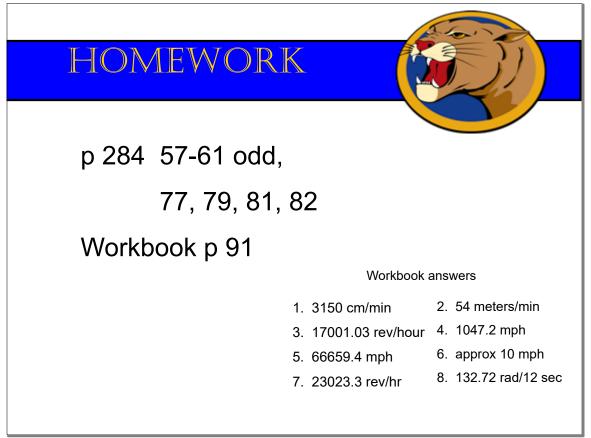
Dec 20-9:57 AM



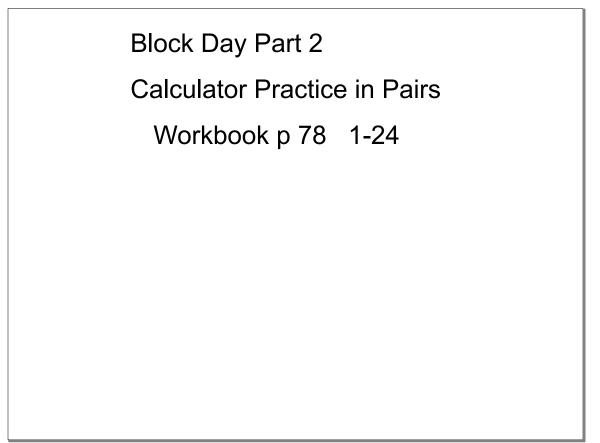


Jan 9-2:16 PM





Aug 29-6:38 AM



Jan 17-7:19 AM