Warm up

What quadrant am I in?

1.  $\frac{3\pi}{8}$ 

- 2.  $\frac{5\pi}{4}$
- 3. -295°

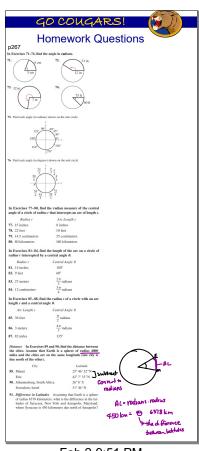
- 4. 460°
- 5.  $-\frac{11\pi}{3}$
- 6. 5.5

Find one positive and one negative coterminal angle for the following:

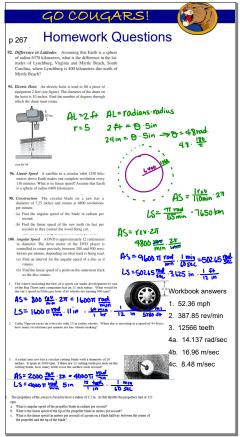
7.  $\frac{2\pi}{9}$ 

8. -400°

Jan 14-6:04 AM

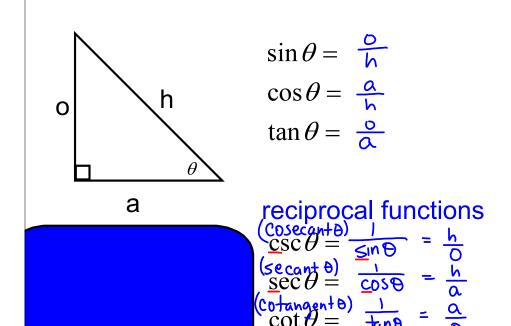


Feb 2-9:51 PM



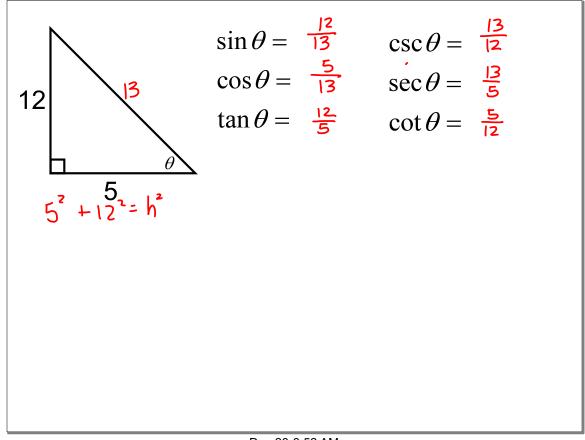
Feb 2-9:51 PM

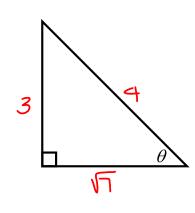
4.3 Right Triangle TrigSOH CAH TOAFinding six trig ratiosFinding theta given a ratio



What observation can you make about an heta ?

Dec 20-8:35 AM





Given  $\sin \theta = \frac{3}{4}$ ,

find the other 5 trig ratios

$$\sin \theta = \frac{3}{4} \qquad \csc \theta = \frac{4}{3}$$

$$\cos \theta = \frac{11}{4} \qquad \sec \theta = \frac{4}{15}$$

$$\tan \theta = \frac{3}{15} \qquad \cot \theta = \frac{15}{3}$$

Dec 20-8:59 AM

Now let's work backwards!

Given 
$$\sin \theta = \frac{1}{2}$$
, find  $\theta$ 

in degrees 30°

in radians 4

4.3 Day 1.notebook January 11, 2024

## HOMEWORK



p 284 1, 3, 9-33 odd, 63, 65, 66 answer sheet provided in workbook p 99

Workbook p 97 1-7 odd Answers: 1. 3150 cm/min

3. 17001.03 rev/hour

5. 66659.4 mph

7. 23023.3 rev/hr

Aug 29-6:38 AM