HOMEWORK 8-3

1. a

5 & 6. see graphs in the

2. c

following slides

- 3. a
- 4. c



Algebra 2 Homework 11-3

1. The graph of which equation has ampfilude 2 and period
$$\pi$$
?

a. $f(x) = 2\cos(2x)$

b. $f(x) = \frac{1}{2}\sin(2x)$

c. $f(x) = 2\sin(x)$

d. $f(x) = 2\cos\left(\frac{1}{2}x\right)$

$$|A| = 2$$

 $Por = I = \frac{2\pi}{|W|}$
 $2\pi = \pi |W|$
 $Z = |W|$

2. The graph of which equation has amplitude of 1 and period $\pi \%$ a. $f(x) = \tan(x)$ c. $f(x) = \sin(2x)$



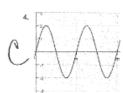
$$G.f(x) = sin(2x)$$

$$G.f(x) = cos(x)$$



Which is the equation of this graph?

$$\begin{array}{ccc} (x) = \sin\left(\frac{1}{2}x\right) & \text{c.} & f(x) = \cos\left(\frac{1}{2}x\right) \\ \text{b.} & f(x) = \sin(2x) & \text{d.} & f(x) = \cos(2x) \end{array}$$



a.
$$f(x) = 2 \sin\left(\frac{1}{2}x\right)$$
 c. $f(x) = 2 \sin(2x)$

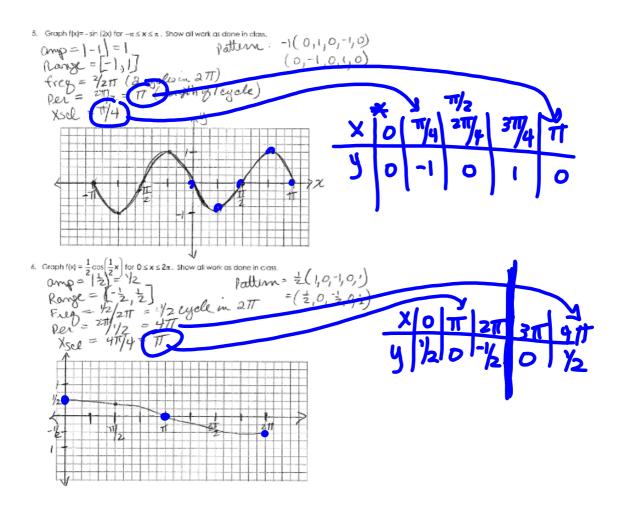
b.
$$f(x) = \frac{1}{2}\cos(2x)$$
 d. $f(x) = 2\cos(2x)$

a.
$$f(x) = 2 \sin\left(\frac{2}{x}x\right)$$
 (c. $f(x) = 2 \sin(2x)$)
b. $f(x) = \frac{1}{2} \cos(2x)$ d. $f(x) = 2 \cos(2x)$

Since $f(x) = 2 \cos(2x)$

2 eycles in 2π

(W)



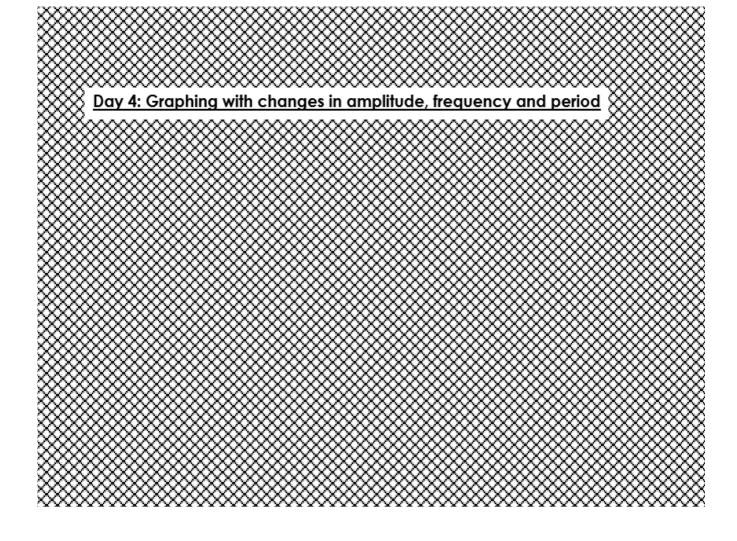
How will this affect you?

Beginning **January 28, 2019**, the people in your classes who normally get your Remind messages as texts will no longer receive these messages if they have Verizon Wireless as their phone carrier.

What can you do?

To make sure people in your classes continue receiving your messages, ask them to download the mobile app or enable email notifications—both of which are free of charge. Our team's also working hard on a solution that allows your classes to continue to use Remind by text, and we'll share more details with you before January 28.

In the meantime, we'll keep fighting to make sure educators, students, and parents have access to effective communication. To do this, **we need your help**: If using Remind has made a positive impact in your classroom, at your school, or anywhere in between, please ask Verizon to reverse the fee here: www.remind.com/verizon-fee

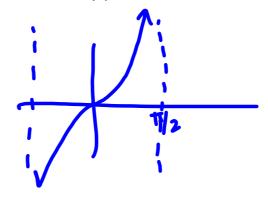


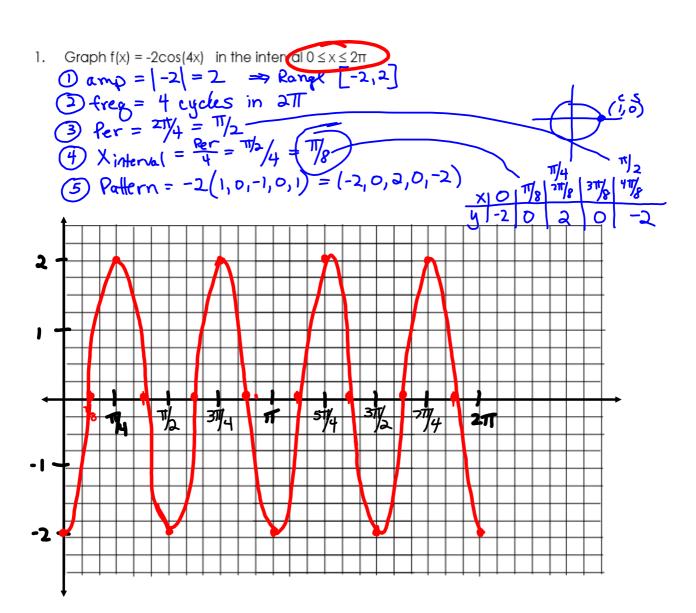
Warm-Up:

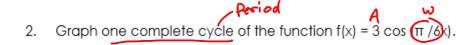
Regents Question:

As x increases from 0 to $\pi/2$, the graph of the equation y = tan x will

- (1) increase from 0 to 2
- (3) increase without limit
- (2) decrease from 0 to -2
- (4) decrease without limit







① Amp = 3 ② freq = $\frac{\pi}{4}$ uncles in 2π ③ frer = $\frac{\pi}{4}$ = $\frac{\pi}{4}$

