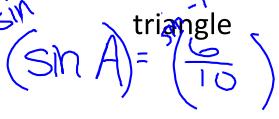
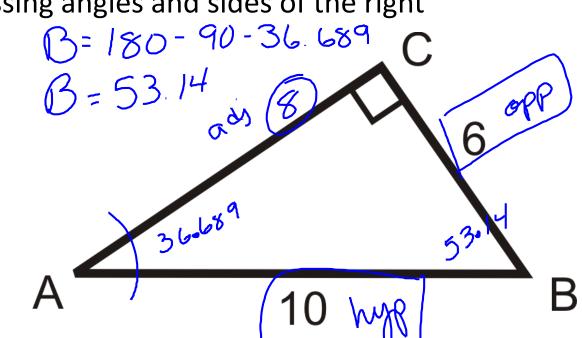
Wednesday, March 20, 2

- Warm-up
 - Calculate all missing angles and sides of the right





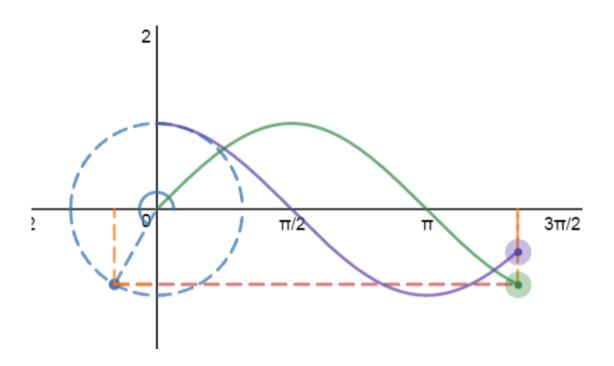
More with unit circle and waves

Objectives

Content: I will understand the shape and critical features of **sine** and **cosine waves**.

Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.

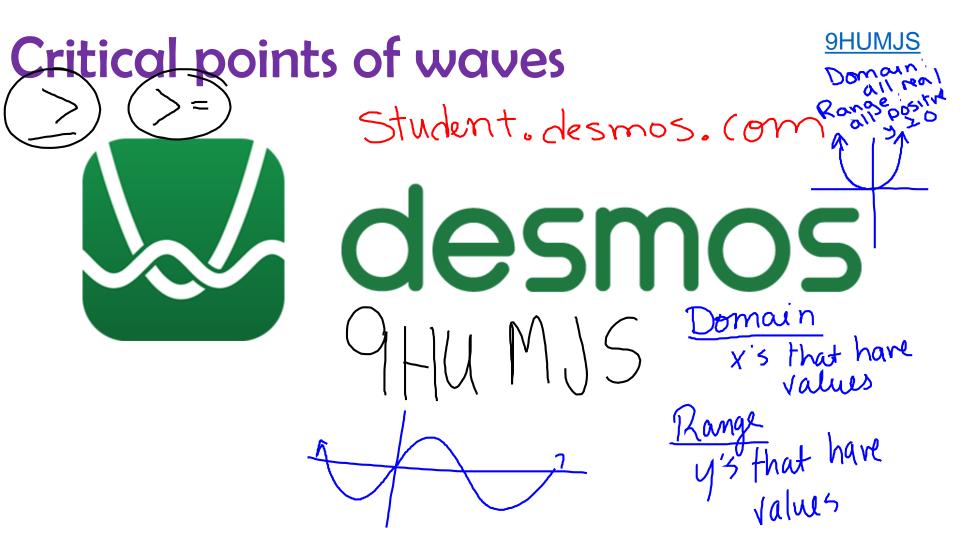
Trig Makes Waves - look again



Objectives

Content: I will <u>understand</u> the shape and critical features of **sine** and **cosine waves**.

Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.



Objectives

Content: I will <u>understand</u> the shape and critical features of **sine** and **cosine waves**.

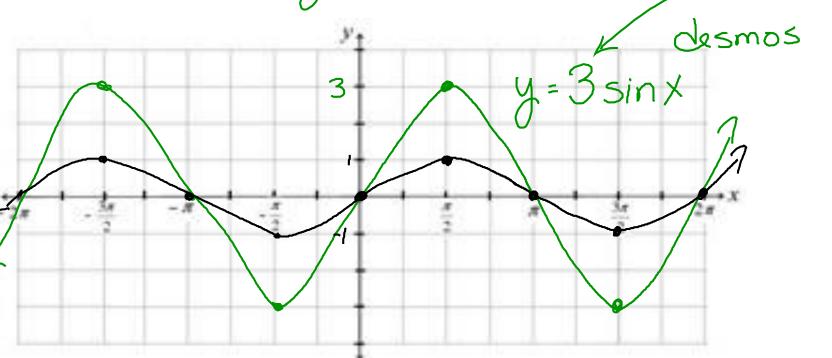
Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.

How can waves change...

- · Amplitude increases

 · Period range
 - Vertical Shift

- Horizontal Shift



Objectives

Content: I will <u>understand</u> the shape and critical features of **sine** and **cosine waves**.

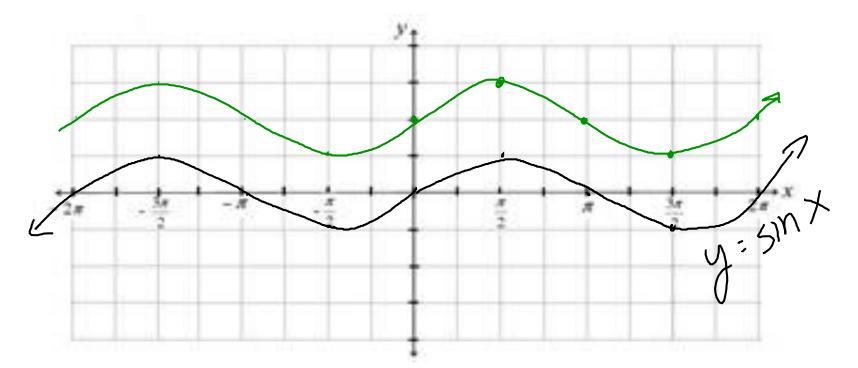
Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.

How can waves change..

- Amplitude
- Period

• Vertical Shift $y = \sin x$

• Horizontal Shift⁽



Objectives

Content: I will <u>understand</u> the shape and critical features of **sine** and **cosine waves**.

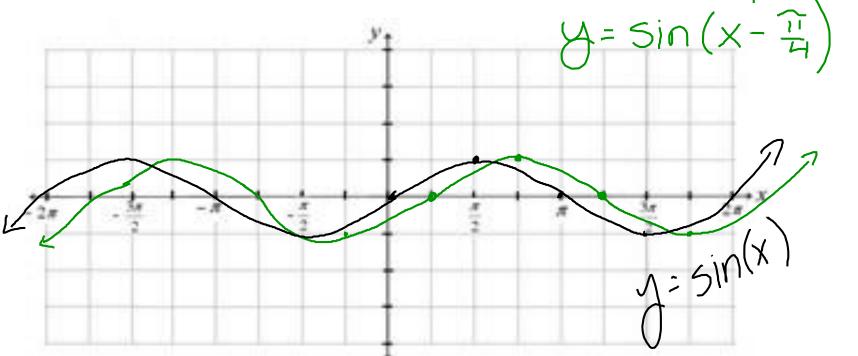
Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.

How can waves change...

inside ()
but backninds

- Amplitude
- Period

- Vertical Shift
- Horizontal Shift



Objectives

Content: I will understand the shape and critical features of sine and cosine waves.

Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.

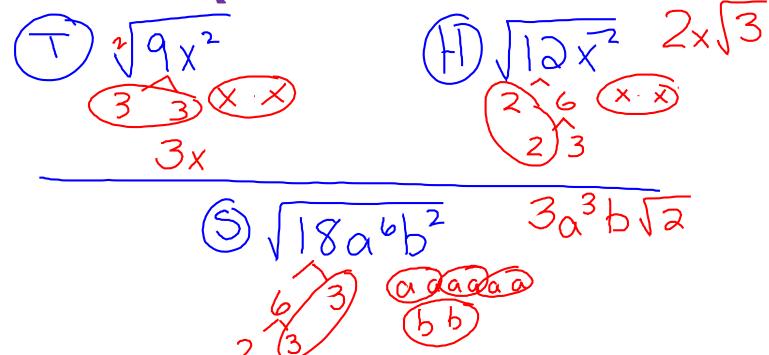
How can waves change... • Amplitude time it takes to
• Period • Vertical Shift
• Period • Horizontal Cl Horizontal Shift

Objectives

Content: I will <u>understand</u> the shape and critical features of **sine** and **cosine waves**.

Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.

Homework Questions



Objectives

Content: I will <u>understand</u> the shape and critical features of **sine** and **cosine waves**.

Social: I will <u>listen</u> well and <u>discuss</u> my uncertainties with my group members.