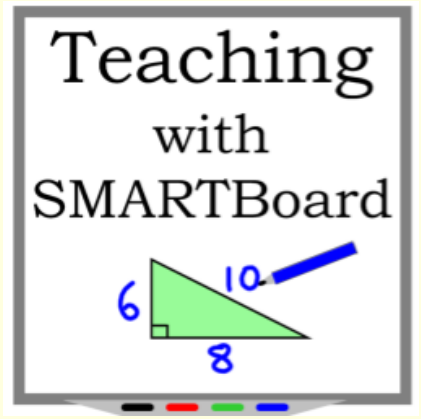
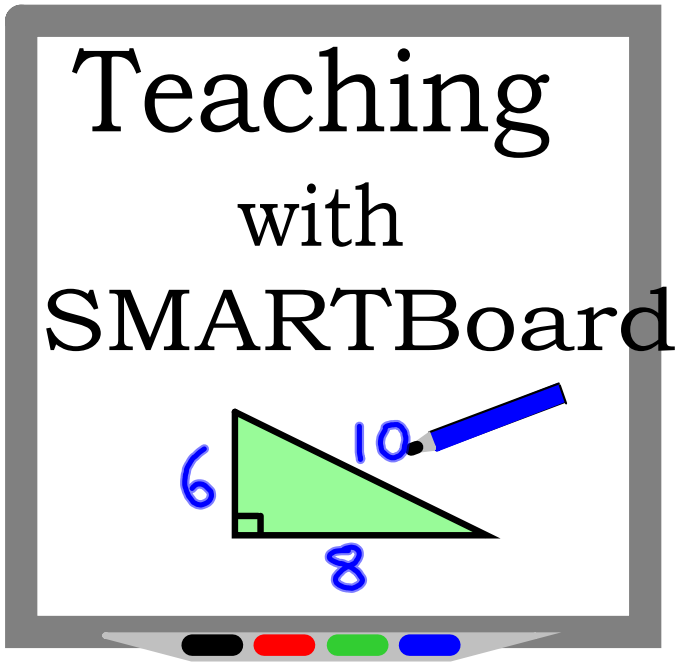


Episode 6

Hosted by Scott Miller and
David Sladkey



http://www.ncusd203.org/central/html/what/math/smartboard/

http://www.teachertube.com/groups_home.php?urlkey=teachingwithsmartboard

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#6 Teaching with Smartboard

Today's Lesson Idea:

I burned my lesson plan again.

Today's Smartboard Tip:

b

Today's Tutorial:

Free-hand screen capture

My lesson plan got burned again,

please fill it in.

Solve

$3(x - 5)$ B $= -3$

A $-15 \quad -7x + 28 = -3$

$-4x + 13 = -3$

$-13 \qquad -13$

C $= \frac{-16}{-4}$

D

E $=$ F

Solve

KEY

$$3(x-5)-7(x-4)=-3$$

$$3x-15-7x+28=-3$$

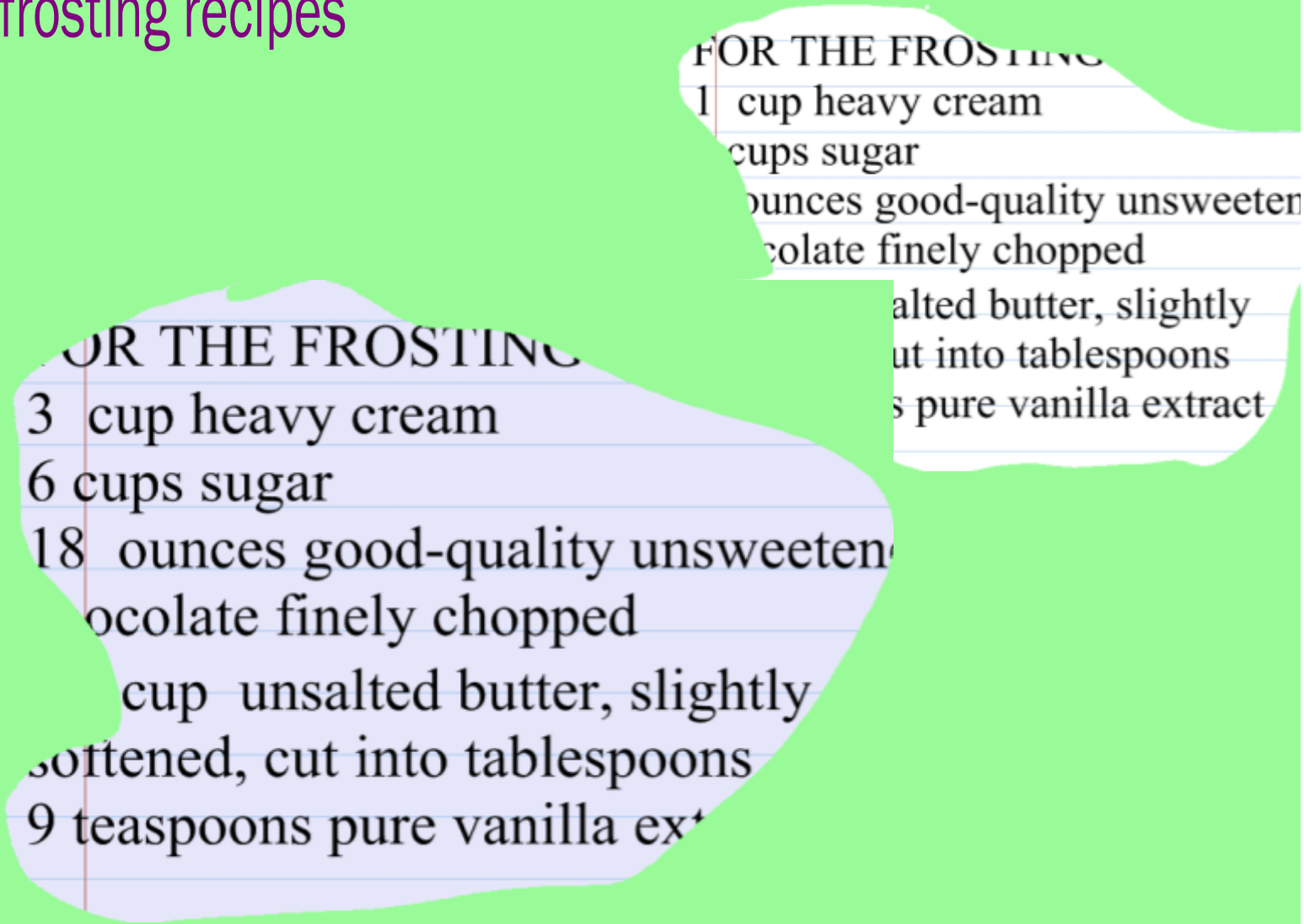
$$-4x+13=-3$$

$$-13\quad -13$$

$$\frac{-4x}{-4}=\frac{-16}{-4}$$

$$x=4$$

Find the missing numbers for these frosting recipes



Today's Tip:

Change Your View

125% for worksheets
Page width default
Full Screen

Name_____

Precalculus Unit Review

Walter the Whale is a mathematical sort of creature. He swims with a periodic rise and fall patterning his swimming path after a sinusoid curve. On a particular day, Walter is at his highest point when his back rises 5 feet out of the water. Then he dives down to a point where his back is 25 feet below the surface level. Of course, he then comes back up again and then goes down again, and so on. It takes 20 seconds from the time Walter hits his high point until he reaches his high point again.

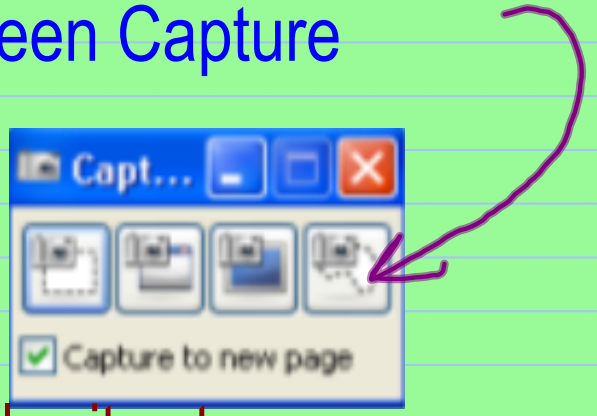
1. Graph two periods of this situation. Be sure to label the axes and give a scale. Start your graph at the midline of the problem when the whale is going up.

2. Find three sinusoidal functions to fit this data. One of your three functions must use cosine. Test your answers with the above graph.

3. At what depth is Walter's back 52 seconds after he crests (reaches his highest point 5 feet out of the water)? Write your answer as a decimal correct to two decimal places.

Today's Tutorial:

Free hand Screen Capture



1. Create a problem and solve it out.
2. Change the background.
3. Use the freehand capture to make a burned look. Be sure to clip some pieces that help students work backwards.
4. Draw in the burned look with a large black pen.
5. Select the object and order it to the front.

Change from words to an equation.

The product of 3 and the quantity of
a number minus 5 is 21.

$$3(x - 5) = 21$$

Attachments

train_crossing.mp3

applause_1.mp3

siren_1.mp3

easy music.mid

grouching_fast.mp3