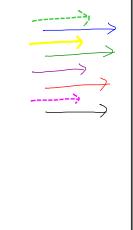
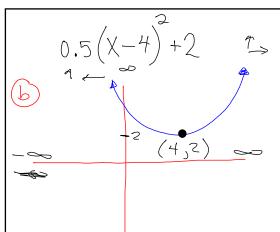


Graph  $y = 0.5(X-4)^2 + 2$ Using your GDC

- 6 Sketch the graph
- C List the Domain
- 1 List the Range





- © domain : \_ ∞ < x < ∞
- drange:
- e find f(-1.75)= (8.53

- Agenda

  O Geometry Review
- 2) Start Review for Thursday's Quiz

Questions on HIM/?

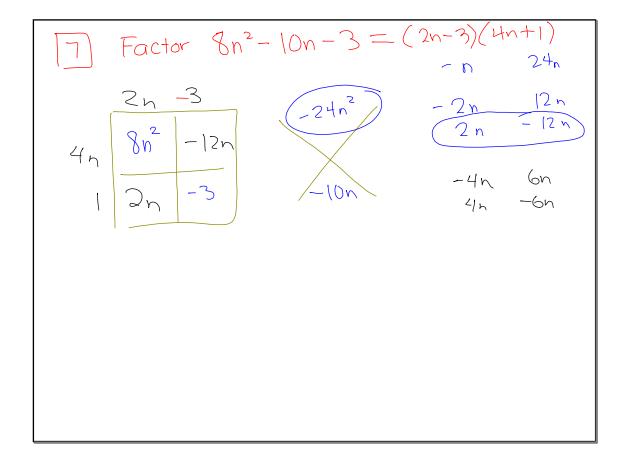
$$2c = 2c$$

$$2c = 2c$$

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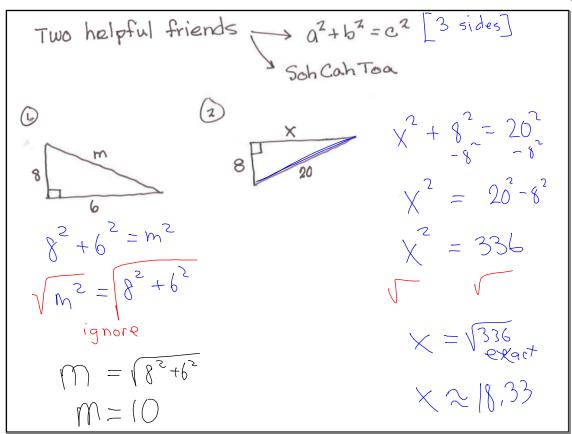
$$2c$$

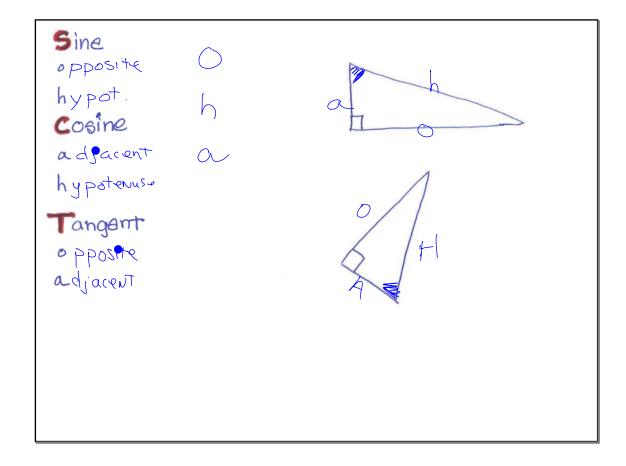
$$Q = \frac{2c}{x^2}$$



$$9 (4) \frac{1}{4} \times + \frac{4(1)}{2} = \frac{4(3)}{4} \times - \frac{3(4)}{4}$$

Pick Analyze
Right Triangles
Handout





Soh (ah Toa

$$Sine(31^\circ) = n$$

$$100 \cdot Sin(31) = n$$

$$N = 51.50$$
FORY

$$tan(78^\circ) = \frac{h}{18}$$

$$h = 18 \cdot tan(78^\circ)$$

$$= 84.68$$

$$meters$$

$$= 0.00$$

h

Find the mixing angle 
$$Sin(A) = \frac{20}{55}$$

$$A = Sin(55)$$

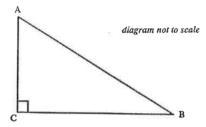
$$Si = 21.32^{6}$$



Pick Pronk-Class work

## classwork

Laura is standing on vertical cliff at point A looking at a ship at point B. The ship is 300m from the base of the cliff. The angle of elevation is 20°.



- (a) Show on the diagram the values of
  - (i) the distance from the boat to the base of the cliff,
  - (ii) the angle of elevation from the boat to Laura.

b)

Another boat is 200m from the base of the cliff.

Find the angle of depression from Laura to this boat.

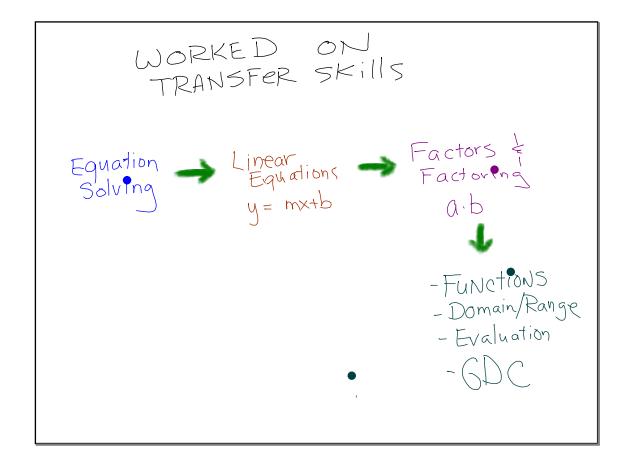


Equation Solving

WORKED ON TRANSFER SKIlls

Equation Linear Equations

Solving y= mx+b



List of Test #1 Items for Algebra 2 Foundations

Solve equations, many varieties (be sure to review all warm ups and your notes)

Linear Functions (y=mx+b)

Write an equation of a line given two points (must show work)

Graph a line given its equation

Identify the slope and y-intercept given a line, you may have to convert to y=mx+b format.

Factoring

By finding common factors

By using the difference of two squares shortcut

Factoring quadratic trinomials (the box/diamond is one method that works)

Evaluate functions (you can use a calculator)

Multiply two binomials (using FOIL, or happy face or the box.... Your choice)

Identify if a graph is a function

Identify the domain and range of a function