

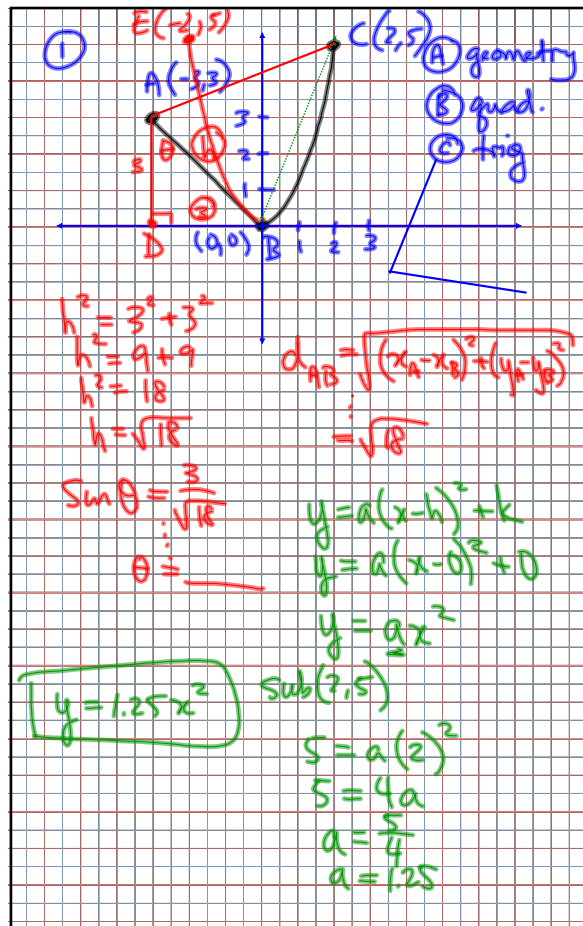
1. On the back of the sheet, create a task using only the three shapes provided
 - don't use too many shapes!
 - this is just a starting point, not a full problem
2. Make a copy of your original shape. This will be given to a partner at the end of class.
3. Create a solution to your task, modifying the task if necessary to show all three strands from the course.
 - you may add more shapes if necessary
4. Trade blank tasks with a partner. You will compare results on Monday.

Linear Systems & Geometry

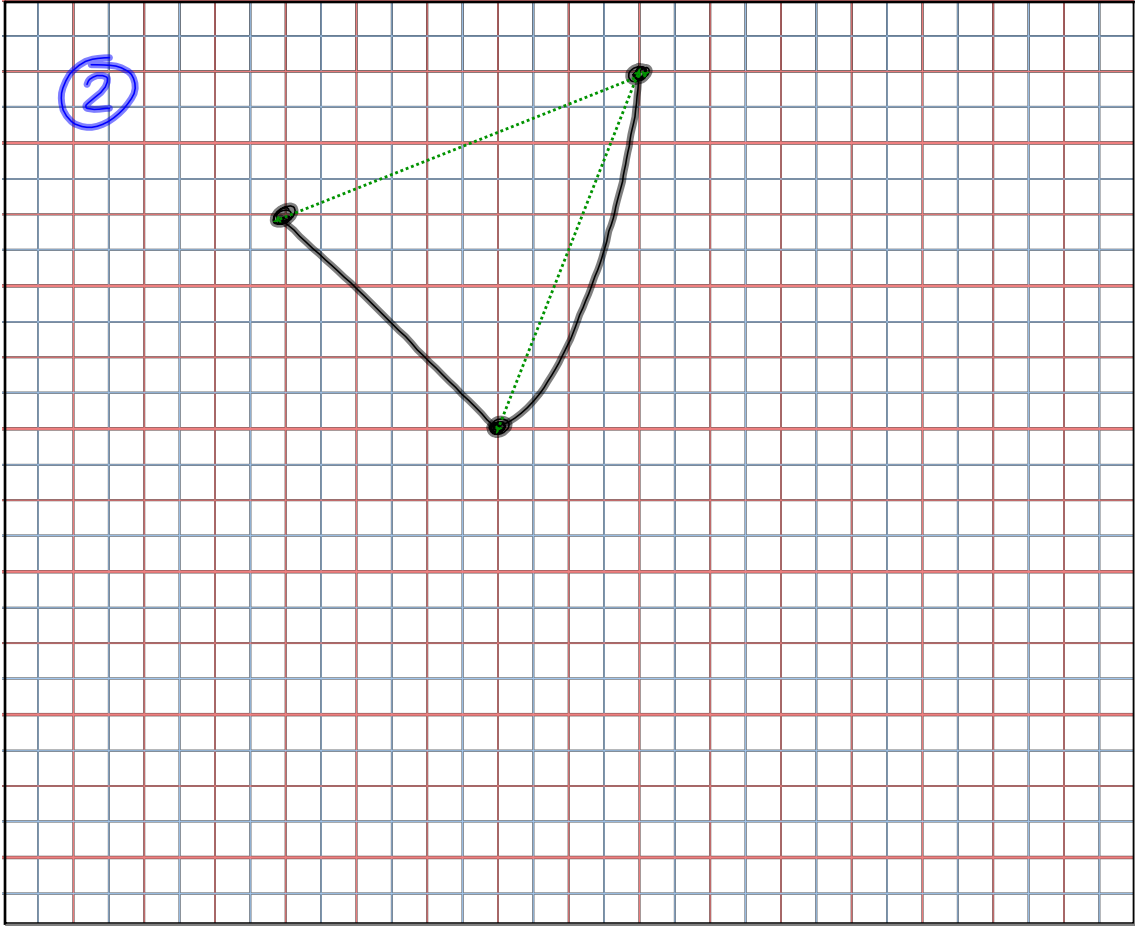
Quadratic Relations

Trigonometry

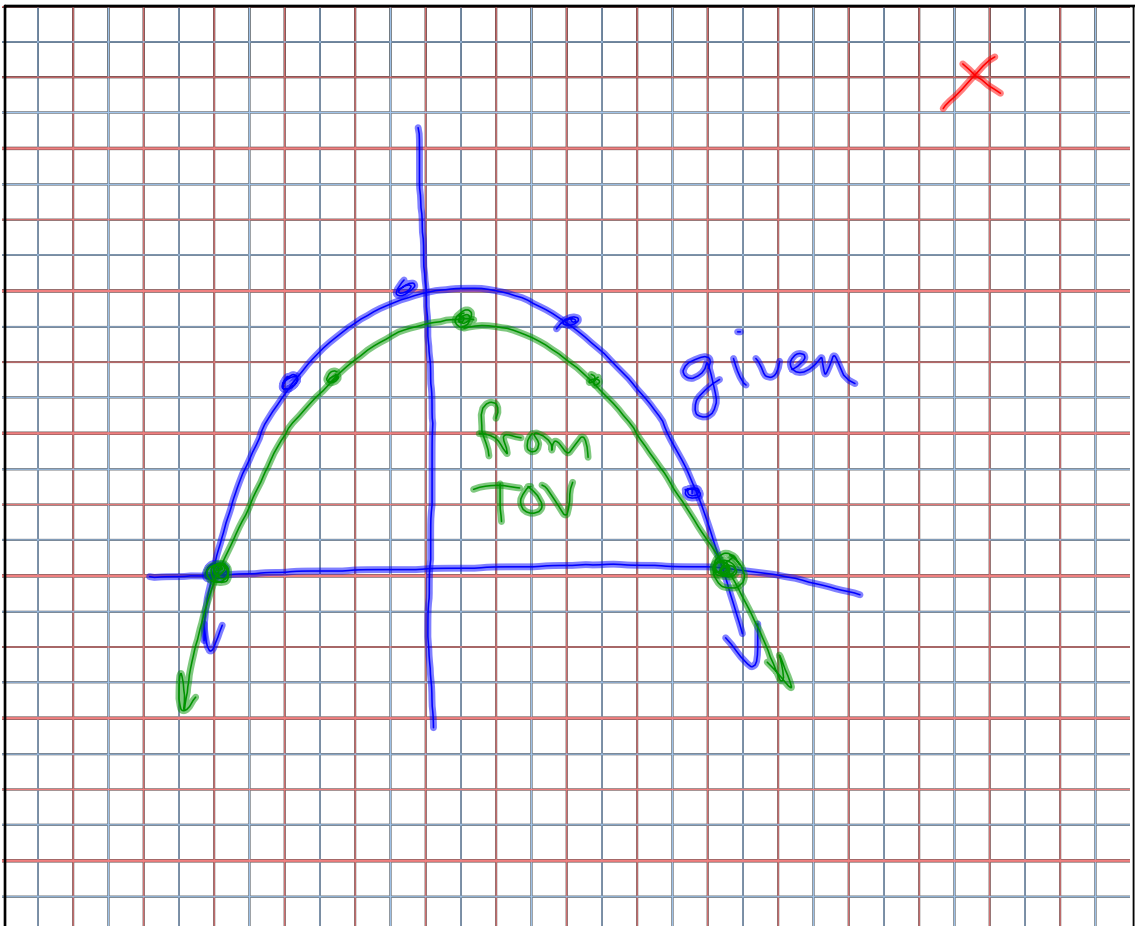
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reasonable outcomes

$$a = -0.25(x-3)^2 + 7.2$$

① basic
opens down ↙
compression ↘

② intermediate
- create a TOV & graph

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reflect strategies

① basic

→ comment on other possibilities

② intermediate

→ compare value of
different strategies

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eqn. of AB?

$$y = mx + b$$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$= \frac{9 - 5}{11 - 4}$$

$$= \frac{4}{7}$$

$$y = \frac{4}{7}x + b$$

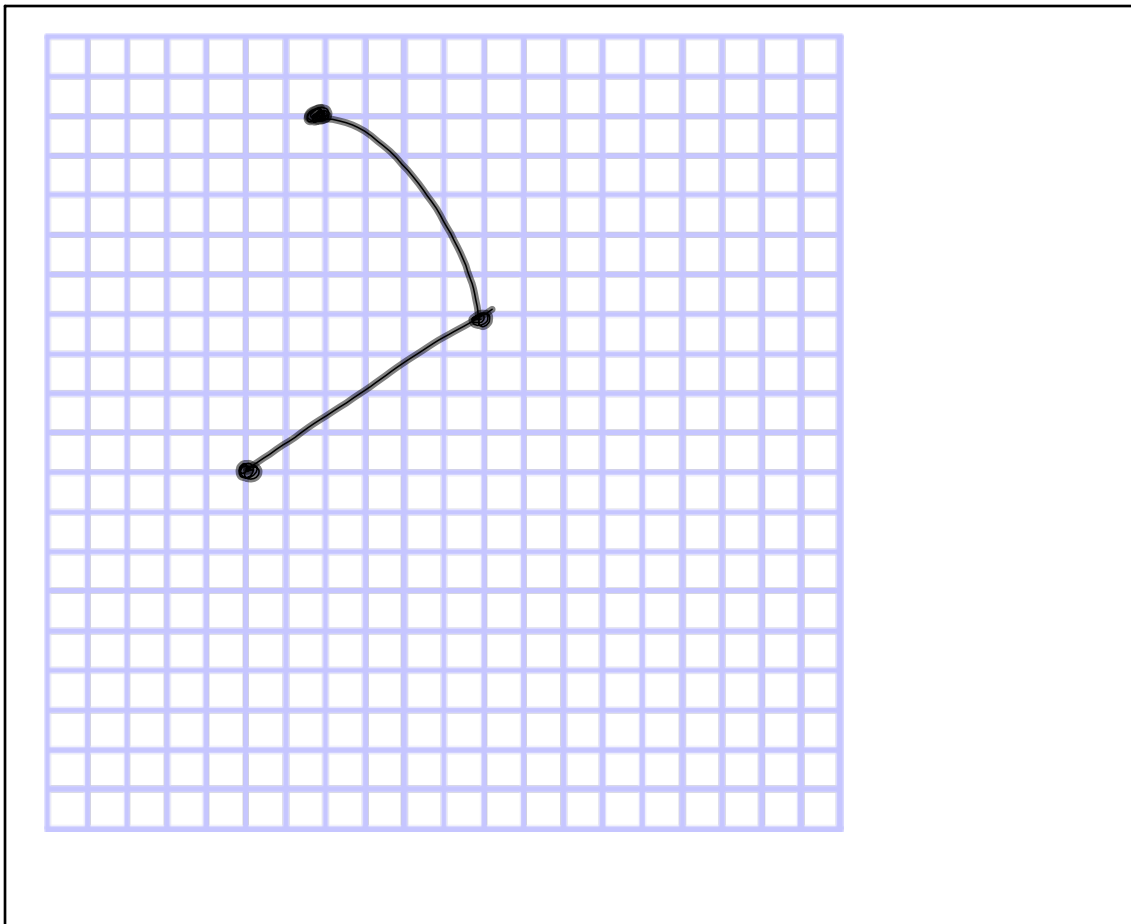
sub (4, 5)

$$5 = \frac{4}{7}(4) + b$$

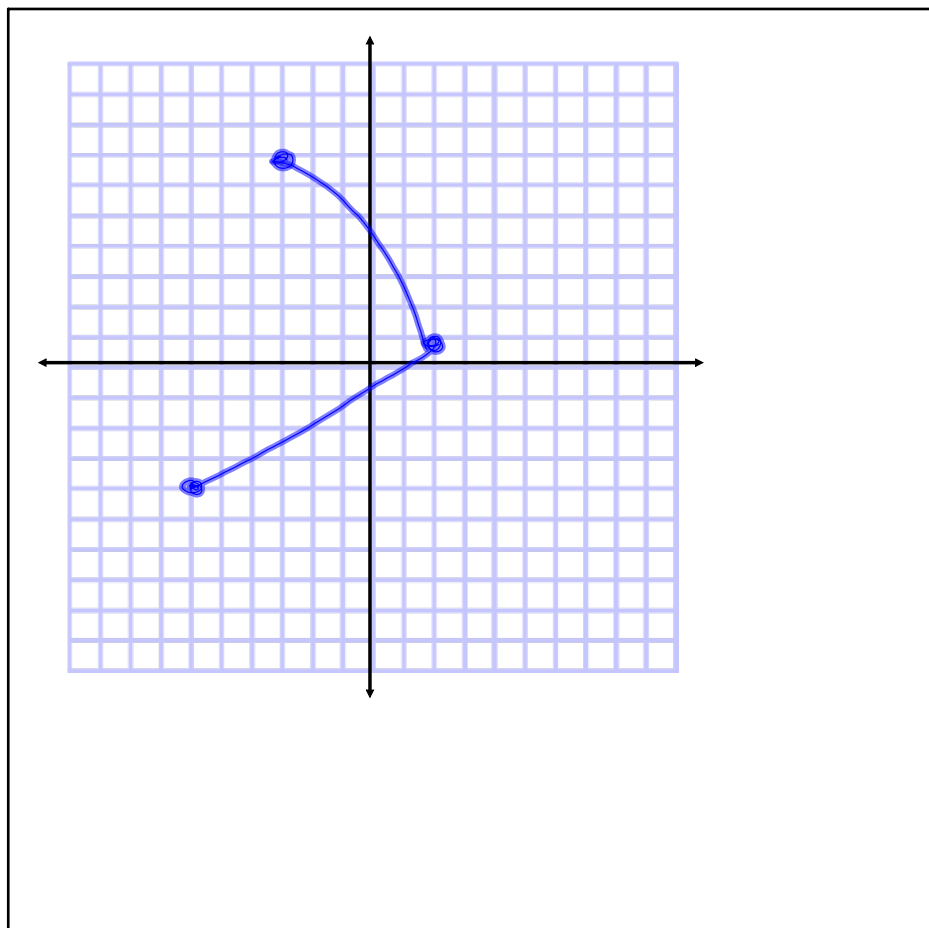
$D = MP_{AB}$
 $= \left(\frac{4+11}{2}, \frac{5+9}{2} \right)$

$$y = a(x-h)^2 + k$$

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