§1.2 video is up. §1.1 # 41, 83,
§1.3 video done by noon. §1.2 #

§1.2 problem I like for Exam 1 is something like #s 57, 58

Done in video

How long to finish a job when working together.

I'M BATMAN!
Watch video,
HATE Book Explanation.

§1.2 Video.

Watch, NOTES, Tackle Homework.

Collecting @ end of class, wed.

§1.3 video. Get to that.

How to write up work.

S' 1.3

#s 19-32 For each pair of points, find the distance and midpoint between them.

(19) (1,3), (4,7)

(x_1, y_1), (x_2, y_2)

$$D = \sqrt{(x_2-x_1)^2 + (y_2-y_1)^2} = \text{Distance}$$

$$= \sqrt{(4-1)^2 + (7-3)^2}$$

$$= \sqrt{3^2 + (4)^2}$$

$$= \sqrt{9+16}$$

$$= \sqrt{25} = 5 = D$$

midpoint $= \left(\frac{x_1+x_2}{2}, \frac{y_1+y_2}{2}\right)$

$= \left(\frac{1+4}{2}, \frac{3+7}{2}\right)$

$= \left(\frac{5}{2}, \frac{10}{2}\right)$

$= \left(\frac{5}{2}, 5\right)$

Paper without lines.

Use lots of paper.

$$\frac{\frac{x^2-2x+5}{\sqrt{2-x}}}{\frac{35x^3-70}{\sqrt{37x}}}$$