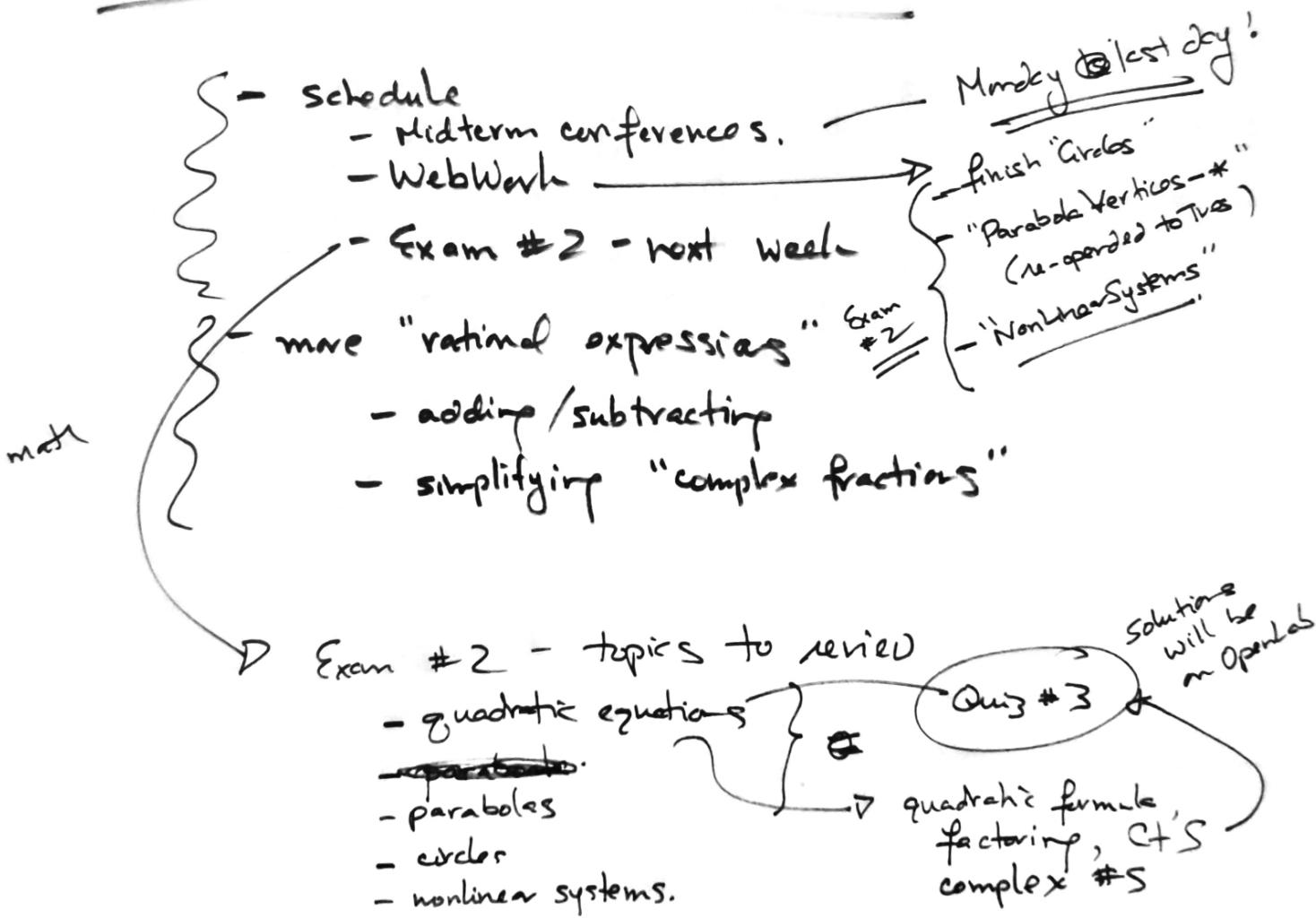


Class #32 - Fri Nov 12



(2)

"Add Rational Expressions 2"

#/ $\frac{7}{5p} - \frac{3}{11p^2} =$

LCM: $55p^2$

your WW

$$\frac{6}{5p} - \frac{7}{2p^2} =$$

"unlike denominators"

~~LCM~~ of "5p" and "2p²":
10p²

$$= \frac{7}{5p} \cdot \left(\frac{11p}{11p} \right) - \frac{3}{11p^2} \cdot \left(\frac{5}{5} \right)$$

$$\frac{77p}{55p^2} - \frac{15}{55p^2}$$

use "10p²" as LCD

$$= \left[\frac{6}{5p} \cdot \left(\frac{2p}{2p} \right) \right] - \left[\frac{7}{2p^2} \cdot \left(\frac{5}{5} \right) \right] =$$

$$= \left[\frac{(77p - 15)}{55p^2} \right]$$

$$= \left[\frac{12p}{10p^2} \right] - \left[\frac{35}{10p^2} \right] = \frac{12p - 35}{10p^2}$$

Exam # 2 - next week (TuOs - Fri)

↑
Exam posted ↑
deadline
to submit

Topics

(1) Solving quadratic equations

- factoring ("zero product property")

→ C+S and "square root property"

→ - quadratic formula.

} Exam # 1
Quiz # 3

(2) Quadratic polynomials and parabolas.

← x- and ~~y-~~ y-intercepts.

- vertex / axis of symmetry

→ by "C+S" and/or by vertex func.

- sketching graphs

③ Circles

- equations $(x-h)^2 + (y-k)^2 = r^2$
- sketching graphs
- C+S (to identify center/radius, given
$$(x^2 + bx) + (y^2 + cx) + d = 0$$
)

④ Nonlinear Systems

- solving algebraically (by substitution/elimination)
- * - also graphically (by graphing the given equations and finding points of intersection).