Possible Unit 6 Activities

Note: Need vertex of parabola problems for 4-2.

Couch them in many ways: Given factorization, find factorization, equations not equal to 0

Get 107: What does = sign mean?

Go backwards in long division: Start with result.

If r = 5, when divide by x-3, what is f(3)?

Given roots and f(6)=5, what is f(x)

FM: 5.2: Poly division and factor theorem

Given graph, factor poly.

F (x+1) = a factor, what are all factors? (or say f(-1)=0.

6.1: Many rational equations

#5 at end: quad/linear = linear

S-Z: p. 451: Exponential equations, inequalities

Includes e^x/(e^x-4) < 3

p. 454: Newton’s cooling: When > 100?

2.4 (around p. 210): quadratic and abs. value inequalities

2.2: Zeros of absolute value functions

Note: Mult choice: Which equations can be solved with logs?

Active Learning: 9.2: 9.2.2: T/F: 3 = root of this polynomial (Note: could be a poly that needs adjusted before answering (by a constant)

9.2.4: Use factors to sketch graph

9.2.18: Given graph, find formula

APC: p. 59: #6: Find formula (quad) given graph (roots, another point OR argue by transformations

Calc-Medic: Calc-Medic: 2.2-2.3: Polys in short/long run

2.2: Given graph, find formula (poly), find the other

2.6: Given values, etc., find f(x)

ORCCA: 1.8 (I-68) p. 68: Solving via table and G&C. (linear)

p. 71: Translating into/from English

p. 72-74: Several linear stories in HW

Chap 7 (II-111)

7.1.16: p. 116: Pythagorean Theorem

HW #26: 10-3(x+1)^2 = -2 (Use square root strategy)

p. 122: Gives the quadratic formula

Several in HW, including square root equations y = SQRT(y+1)+3

p. 129 #65: Stories: several rectangle area, triangle problems = quads

P. 69-70: Stories: Each time adjusts, loses or gains something

12.5: III-176: Extraneous solutions on 178.

p. 184: Stories: Working separately/together; d, r, t #70-74.