

Assignment #2-5

Secondary 3 Honors

PreCalculus Book:

Pg. 112 1 – 8, 15, 16, 18, 24, 27, 30, 33, 36, 39

Carnegie Book:

Pg. 183 8(a-g)

Additional Problems: Complete these problems on a separate sheet of paper.

Find a polynomial function with integer coefficients that has the following zeros.

1. 0, -2, -3 2. $-1, \frac{1}{4}, 4$
3. State the domain: $f(x) = \sqrt{2x-5}$
4. Simplify: $(5+3i)(4-2i)$
5. A pet owner would like to build two adjacent dog kennels for his dogs using 80 feet of chain link fence (see the figure). Write a function, $A(x)$, that will give the area of the kennels as a function of x . Find the maximum enclosed area the pet owner can make with the amount of fencing that he has.

