HWK #1, DUE WEDNESDAY 10/8

1.1 7, 14, 18, 20, 25.
1.2 4, 10, 16, 20, 24, 26, 29, 30.
Just for fun:
A system of three equations in three unknowns corresponds to three planes in space. How many different possible configurations of three planes are there?
If we have n equations in n unknowns, how many possible configurations do you *guess* there are? (*Hint: what is the answer for* $n = 2$ *and* $n = 3$ *after you add one?*).