Sample Student Work – G

Post-Assessment Name:

Create your own version of the Number Game. You must create at least nine criteria. With at least four give examples of numbers that do and don't fit the criteria. Along with your nine criteria and examples you must give a list of ten numbers that would generate a high score. The game scoring criteria must include at least four different number types that are subsets of the real number system. Points awarded cannot exceed 10 in each one. Finally, give a few reasons why you selected the ten numbers that you did for the game.

6k

9 Criteria – offer examples and non examples for at least four of the nine

1. 5pt. for every even # ex(2 4 6 8 10)(3, 5, 7, 9)
2. 10pt for a neutral #
3. 8pt for a irrational #(pro $\sqrt{2}$ $\sqrt{5}$ π .132 32...)(non 4 1.01 10 58)
4. 9pt for a square root
5. 3pt for a fraction (pro 1/2 3/4 9/10)(non .132 5 3)
6. 6pt for a decimal
7. 2pt for a odd #
8. 7pt for a raitional # ex(pro 2, 1, 0.3)(non .123... π $\sqrt{2}$
9. 4pt for the product of all #'s to be negative

10 Numbers:

40 $\sqrt{2}$ -2 104 60 $\sqrt{3}$ $\sqrt{8}$ 0 π .34... (=176)

Reasons for selecting them:

I chose mostly even Numbers because you get 5pts. for each. I also have Square roots and pie because they are 8 or 9 points each.