**Looking For Pythagoras – AFL 1 (after Inv.2)**

**Learning Target 2: (\_\_\_\_\_ /16 pts. \_\_\_\_\_\_%)
I am able to use rational numbers and irrational numbers to compare and estimate values.**

Find the length of the side of a square with the given area. (1 pt. each)

1. 9 mi2 2.) 196 yd2

Find the two consecutive whole numbers that each square root is between. (1 pt. each)

 3.) $\sqrt{56}$ 4.) $\sqrt{204}$

Estimate each square root to one decimal place. (1 pt. each)

 5.) $\sqrt{18}$ 6.) $\sqrt{50}$

For each number sentence below, decide if it is true or false. (1 pt. each)

 7.) $\sqrt{4}$ = 16 8.) $\sqrt{49}$ = –7 9.) 110 = $\sqrt{11}$

Find the missing number. (1 pt. each)

 10.) $\sqrt{}$ = 14 11.) 81 = $\sqrt{}$ 12.) $\sqrt{4}$ = \_\_\_\_\_

13.) Put the following set of numbers on the number line. (4 pts.)

$\sqrt{5}$ **2**$\frac{1}{2}$ **–**$ \frac{1}{3}$ **–1.5** $\sqrt{2}$ **0.3** $\sqrt{4}$ **–**$ \frac{10}{5}$

–2 –1 0 1 2 3