**Precision Ag – Lab 1 Quiz Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Choose the one best answer. You may use a calculator.

1. One acre is equal to the area of:
2. One football field
3. One hectare
4. **One furlong by one chain**
5. One rod by one link
6. One acre is equal to the area of:
   1. 66 feet X 66 feet
   2. 1/8 mile x 1/8 mile
   3. 34,650 square feet
   4. **43,560 square feet**
7. The term “ \_\_\_\_\_/acre” is commonly used to indicate:
   1. Land Value
   2. Yield in bushels
   3. Pounds of fertilizer required
   4. **All of the above**
8. The Pythagorean theorem is expressed as:
   1. a + b = c
   2. **a2 + b2 = c2**
   3. Π r2
   4. None of the above
9. A rectangle measures 30 feet by 40 feet, the total area is:
10. 120 feet
11. 1,200 feet
12. 120 sq. ft.
13. **1,200 sq. ft.**
14. A rectangle measures 30 feet by 40 feet, the distance across the diagonals is:
    1. **50 feet**
    2. 50 square feet
    3. 120 feet
    4. 1,200 square feet
15. Horse racing distances are measured in furlongs. A race distance that is 8 furlongs is:
    1. **One mile**
    2. ¾ mile
    3. ½ mile
    4. ¼ mile
16. If there are 5,280 feet/mile, there are \_\_\_\_\_\_ acres in one square mile.
    1. 80
    2. 160
    3. 320
    4. **640**
17. If a producer can plant an average of 20 acres/hour, how many acres can be planted in one 8-hour day?
    1. 16
    2. 20
    3. **160**
    4. 200
18. If the producer can plant 20 acres/hour and averages an 8-hour day, how many acres can be planted in one week?
    1. 800
    2. **1,120**
    3. 1,400
    4. 8,000