Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**KLA #4 Quiz 8.1-8.2 Correction HOMEWORK**

DIRECTIONS: Circle the problem numbers you missed on Quiz (8.1-8.2). (Go to “Reports”; then “Review” in BIM) Do these questions for HW. **USE PI**

|  |  |
| --- | --- |
| 1. Find the volume of the cylinder. Round your answer to the nearest tenth.

 | 1. Find the volume of the cylinder. Round your answer to the nearest tenth.

 |
| 1. The volume of the cylinder is 340 ft3. Find the height. Round your answer to the nearest whole number.

 | 1. Find the volume of the cone. Round your answer to the nearest tenth.

 |
| 1. Find the volume of the cone. Round your answer to the nearest tenth.

 | 1. Find the height of the cone. Round your answer to the nearest whole number.

 |
| 1. How does the volume of a cylinder change when its diameter is quadrupled (multiplied by 4)?
 | 1. A cylindrical rain barrel with a diameter of 3.5 feet and a height of 5.5 feet is filled to a height of 2.5 feet. How many more gallons of water can the barrel hold? Round your answer to the nearest whole number.

(1 ft3 $≈$ 7.5 gal.) |
| 1. One cubic foot of sand weighs about 90 pounds. Approximate the weight of the cone-shaped pile. Round your answer to the nearest **hundred pounds.** (This is different from your notes where you rounded to the nearest “hundredth”)

8.5 ft6.5 ft |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**KLA #4\_Quiz 8.1-8.2**

Use pi to solve each problem.

Circle the problem numbers you missed on Quiz (8.1-8.2). (Go to “Reports”; then “Review” in BIM)

|  |  |
| --- | --- |
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |
| 8. | 9. |
| 10. | 7. extra credit |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_

**KLA #4 RETAKE\_Quiz 8.1-8.2**

|  |  |
| --- | --- |
| 1. | 2. |
| 3. | 4. |
| 5. | 6. |
| 8. | 9. |
| 10. | 7. extra credit |