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

**8.3B Homework**

FIND THE VOLUME OF THE COMPOSITE SOLIDS. ROUND YOUR ANSWER TO THE NEAREST TENTH. **USE PI**

|  |  |
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| 1. | 2. |
| 3.Image result for real composite shape in real life | 4.Image result for volume of composite solids |

**BACK 🡪**

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| 1. Water flows at a rate of 5,000 cubic inches per minute into a cylindrical tank. The tank has a diameter of 100 inches and a height of 30 inches. What is the height, in inches, of the water in the tank after 8 minutes? Round your answer to the nearest whole number.
 |
| 1. A cylindrical swimming pool has a diameter of 18 feet and a height of 5 feet. About how many gallons of water can the pool contain? Round your answer to the nearest whole number.

1 cubic foot is about 7.5 gallons of water. |

Solutions: 1) 90$π≈$ 282.7 cm3 2) 384$ π≈ $1206.4 ft3 3) 1,746.1 ft3 4) $\frac{13,600π}{6}≈7120.9 u^{3}$ 5) 5 inches 6) $≈$9,543 gal.