

Incorrect. The formula for the volume of a cylinder is  $V = \pi r^2 h$  and the formula for the volume of a cone is  $V = \frac{1}{3} \pi r^2 h$ . For both parts,  $r = 4$ . For the cylinder,  $h = 7$ . For the cone,  $h = 6$ . Substitute these numbers into the formulas and simplify. Then, add the volumes of the two solids together to find the total volume.