

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

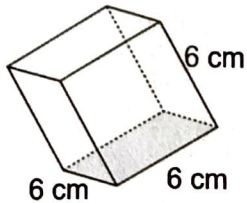
*Apprentice*

### Surface Area of Prisms and Cylinders

$\pi = 3.14$

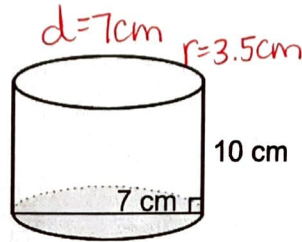
Find the surface area of each figure. Round answers to the nearest hundredth, if necessary.

1)



Surface Area: \_\_\_\_\_

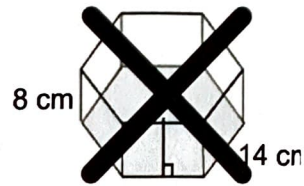
2)



Surface Area: \_\_\_\_\_

$A_{\text{cylinder}} = 2\pi r^2 + 2\pi rh$

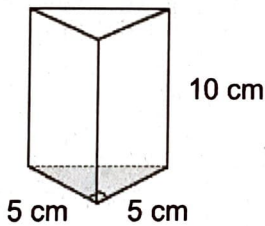
3)



Surface Area: \_\_\_\_\_

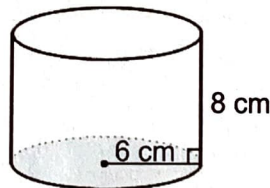
$A_{\text{hexagon}} = \frac{3\sqrt{3} s^2}{2}$

4)



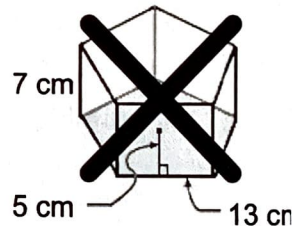
Surface Area: \_\_\_\_\_

5)



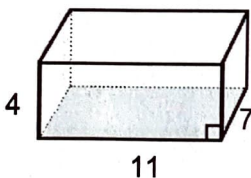
Surface Area: \_\_\_\_\_

6)



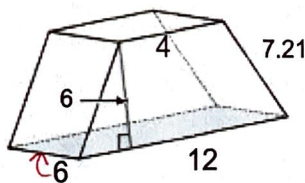
Surface Area: \_\_\_\_\_

7)



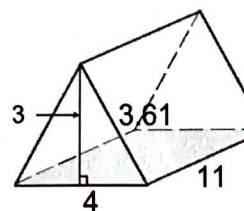
Surface Area: \_\_\_\_\_

8)



Surface Area: \_\_\_\_\_

9)



Surface Area: \_\_\_\_\_

- 1)  $216\text{cm}^2$
  - 2)  $296.88\text{cm}^2$
  - 3)  $1690.45\text{cm}^2$
  - 4)  $195.71\text{cm}^2$
  - 5)  $527.79\text{cm}^2$
  - 7)  $298\text{cm}^2$
  - 8)  $278.52\text{cm}^2$
  - 9)  $135.42\text{cm}^2$
- Answers

$A_{\text{Trapezoid}} = \frac{(a+b) \times h}{2}$