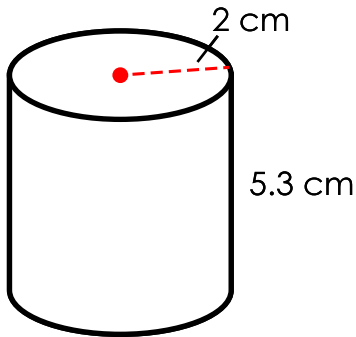Name: _____

Volume of a Cylinder

2 cm

5.3 cm

A cylinder has a circular base. Use $A = \pi r^2$ to find the area of the base.

$A \approx 3.14 \times 2^2$
$A \approx 3.14 \times 4$
$A \approx 12.56$ cm^2

The volume of the cylinder is equal to its base area times its height.

$V \approx 12.56$ cm^2 $\times$ 5.3 cm
$V \approx 66.57$ cm^3

7.6 mm

5.2 m

19.7 cm

5 cm

4.

3 cm

12.4 cm

5.

7 mm

9.3 mm

6.

0.5 m

8.1 m

Volume of a Cylinder

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$A \approx 3.14 \times 2^2$
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$A \approx 12.56 \text{ cm}^2$

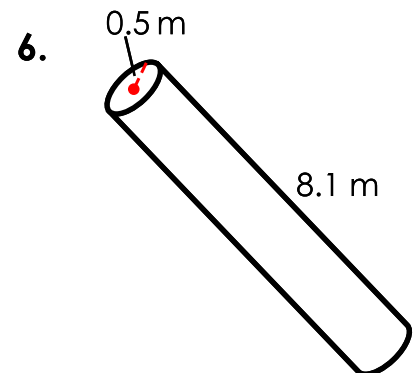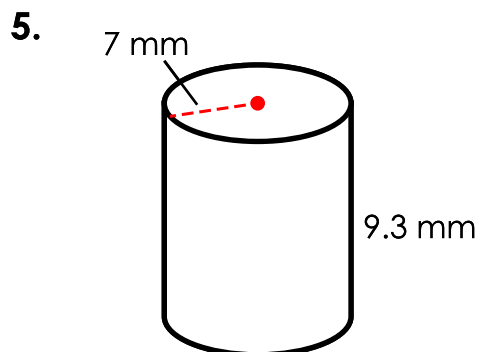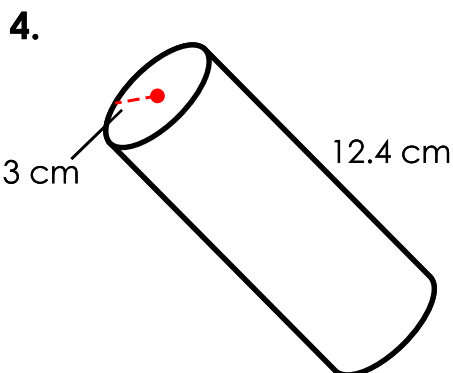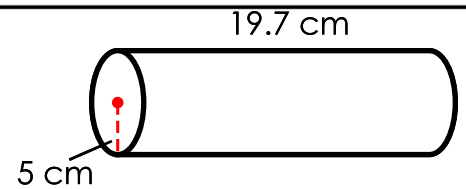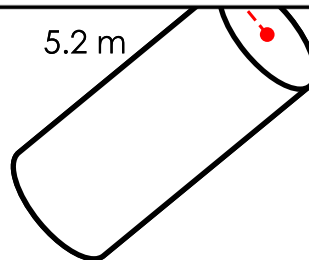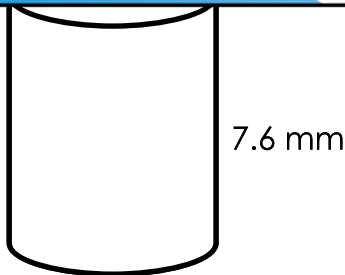The volume of the cylinder is equal to its base area times its height.

$V \approx 12.56 \text{ cm}^2 \times 5.3 \text{ cm}$
$V \approx 66.57 \text{ cm}^3$

2 cm

5.3 cm

Preview
Please log in to download
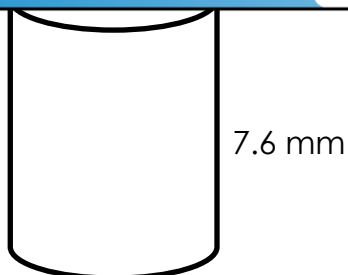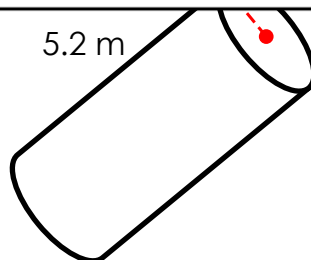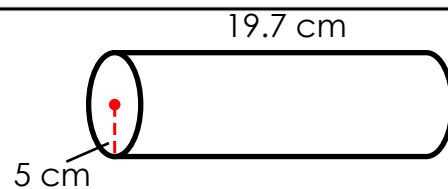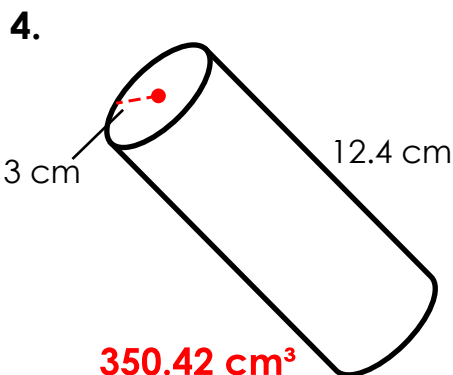the printable version of this worksheet.

7.6 mm

5.2 m

19.7 cm

5 cm

1,546.45 cm³

381.82 mm³

16.33 m³

4.

3 cm

12.4 cm

350.42 cm³

5.

7 mm

9.3 mm

1,430.90 mm³

6.

0.5 m

8.1 m

6.36 m³