Surface Area of Solid Figures

Math

Name _____ Class _____ Date _____

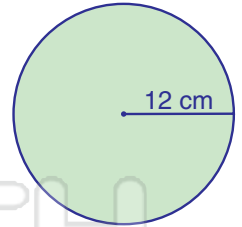**1** What is the **area** of the **rectangle** shown?

$A = bh$

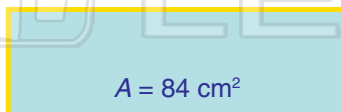13 cm

6 cm

2 If the **area** of the rectangle shown is **84 cm²**, what is the **height** of the rectangle?

$A = bh$

$A = 84$ cm²

3 W

A

4 If

1

o

A = (½)bh

18 cm

14 cm

x

5 What is the **area** of the **trapezoid** shown?

$A = (½)(b_1 + b_2)h$

8 in.

13 in.   12 in.

18 in.

6 What is the **area** of a circle with a **radius** of **12 cm**?

$A = \pi r^2$

12 cm

7 What is the **area** of the rectangle shown?

$A = bh$

4 in.

3 in.

gion?

bh

8 cm

10 What is the **surface area** of the **cylinder** shown?

$SA = 2\pi rh + 2\pi r^2$

$\pi = 3.14$

7 in.

16 in.

PREVIEW

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Math

Name _____ Class _____ Date _____

1 What is the **area** of the **rectangle** shown?
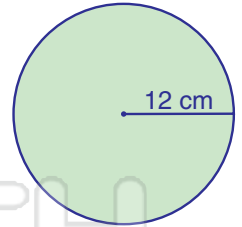
$A = bh$

13 cm

$(13)(6) = 78 \text{ cm}^2$

6 cm

6 What is the **area** of a circle with a **radius** of **12 cm**?
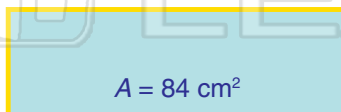
$A = \pi r^2$

$\pi\,12^2 = 452.16 \text{ cm}^2$

12 cm

2 If the **area** of the rectangle shown is **84 cm²**, what is the **height** of the rectangle?

$A = bh$

$84 \text{ cm}^2 = 12h$

$A = 84 \text{ cm}^2$

7 What is the **area** of the rectangle shown?

$A = bh$

4 in.

3 W

A

(¹

3 in.

4 If

1

o

A = (½)bh

$b = A / (\frac{1}{2})h$
$b = 126/7 = 18 \text{ cm}$

18 cm

14 cm

x

gion?

bh

=64 in.²
4²) =
50.24 in.²
shaded area = 64 - 50.24 =
13.76 in.².

8 cm
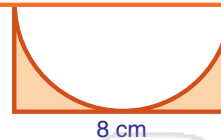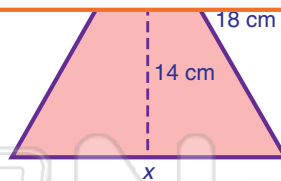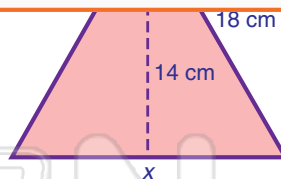
5 What is the **area** of the **trapezoid** shown?

$A = (\frac{1}{2})(b_1 + b_2)h$

$A = (\frac{1}{2})(18 + 8) \times 12 =$
$(\frac{1}{2})(26)(12) = 156 \text{ in.}^2$

8 in.

13 in. 12 in.

18 in.

10 What is the **surface area** of the **cylinder** shown?

$SA = 2\pi rh + 2\pi r^2$

$\pi = 3.14$

7 in.

16 in.
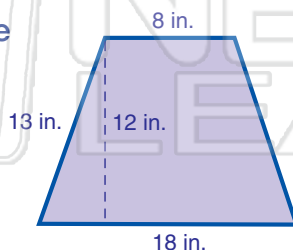
$(2)(3.14)(7)(16) + (2)(3.14)(7^2) =$
$703.36 + 307.72 = 1{,}011.08 \text{ in.}^2$