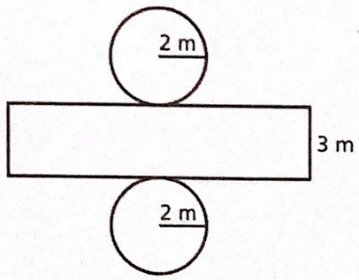
Name _____ Date _____

Lesson 8.6 **Extra Practice** $SA = 2\pi r^2 + 2\pi rh$

Use the net to find the surface area of the cylinder.

1.



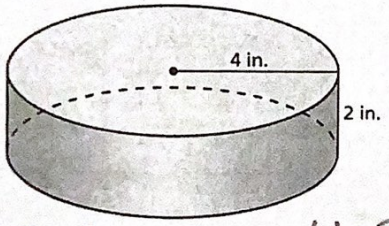
$2 \cdot \pi \cdot 4 + 2 \cdot \pi \cdot 2 \cdot 3$

$25.12 + 37.68$

$62.8\ m^2$

Find the surface area of the cylinder.

2.

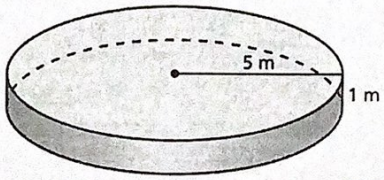


$2 \cdot \pi \cdot 16 + 2 \cdot \pi \cdot 4 \cdot 2$

$100.48 + 50.24$

$150.72\ in^2$

3.

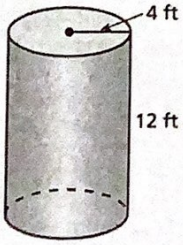


$2 \cdot \pi \cdot 25 + 2 \cdot \pi \cdot 5 \cdot 1$

$157 + 31.4$

$188.4\ m^2$

4.

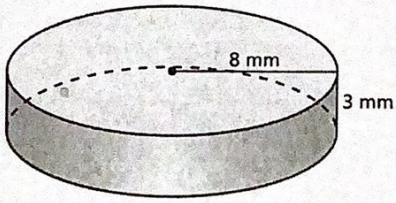


$2 \cdot \pi \cdot 16 + 2 \cdot \pi \cdot 4 \cdot 12$

$100.48 + 301.44$

$401.92\ ft^2$

5.



$2 \cdot \pi \cdot 64 + 2 \cdot \pi \cdot 8 \cdot 3$

$401.92 + 150.72$

$552.64\ mm^2$

8. A deep dish pizza has a radius of 6 inches and a height of 1 inch. Find the surface area of the pizza.

$2 \cdot \pi \cdot 36 + 2 \cdot \pi \cdot 6 \cdot 1$

$226.08 + 37.68$

$263.76\ in^2$