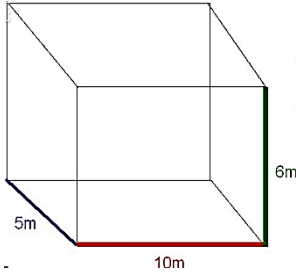
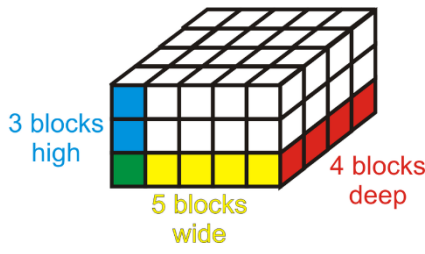
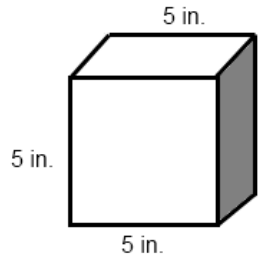
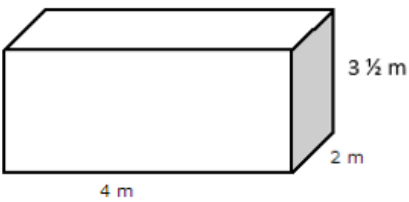


Math 6 - Unit 5: Area & Volume

Surface Area & Volume Practice

Name: _____

Class Period: 1 2 3 4 Date: _____

Rectangular Prism	Surface Area (Show work and circle your answer.)	Volume (Show work and circle your answer.) $V = lwh$ OR $V = Bh$
	1) SA = _____	2) V = _____
	3) SA = _____	4) V = _____
	5) SA = _____	6) V = _____
	7) SA = _____	8) V = _____

9) Circle the choices that relate to volume. Underline the choices that relate to surface area.

Filling a pool with water Wrapping a present The amount of cereal in a box Painting a house

10) How are surface area and volume alike? _____

11) How are surface area and volume are different? _____

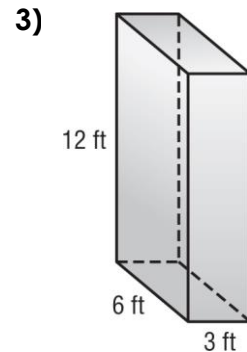
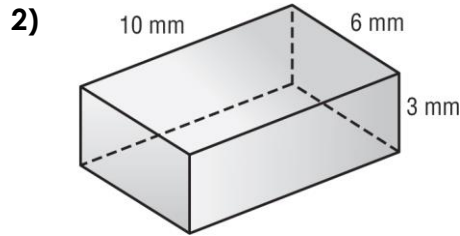
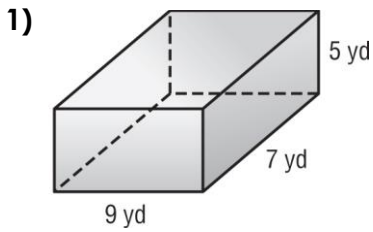
Math 6 - Unit 5: Area & Volume

Surface Area & Volume Practice

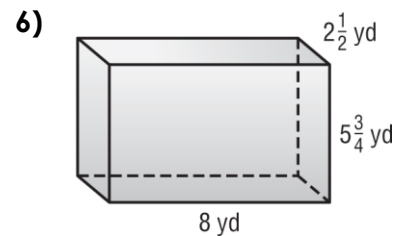
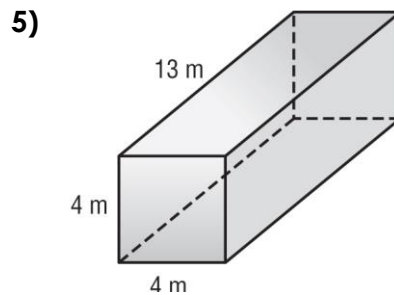
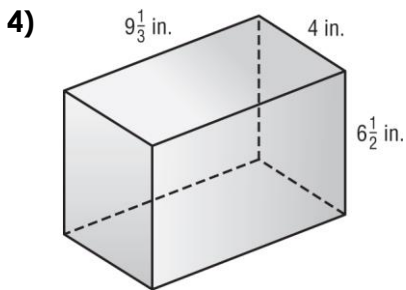
Name: _____

Class Period: 1 2 3 4 Date: _____

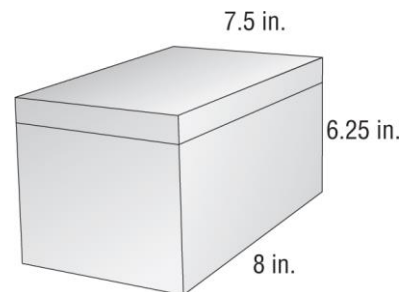
Find the volume and surface area of each prism.



Find the volume of each prism.

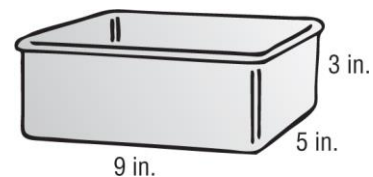


7) **TOYS** Geneva's younger brother has a toy box that is 3.6 feet long, 2.4 feet wide, and 1.5 feet high. What is the volume of the toy box?



8) What is the volume of a rectangular prism with a length of 11 meters, width of 26 meters, and height of 38 meters?

9) **BAKING** The bread loaf pan shown is filled to a height of 2 inches with banana bread batter. How much more batter could the pan hold before it overflowed?

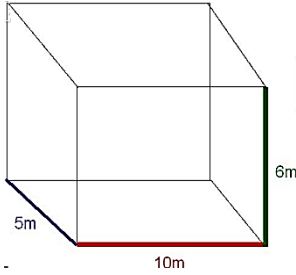
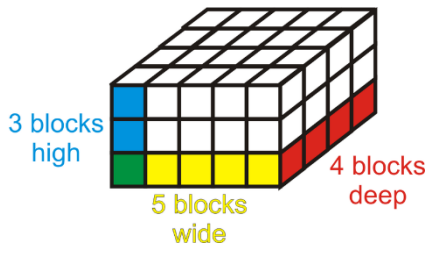
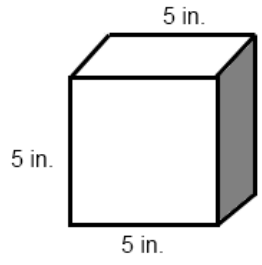
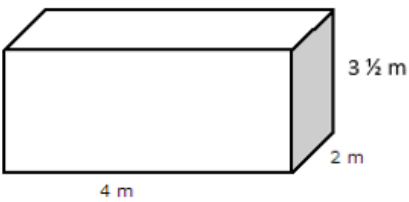


Math 6 - Unit 5: Area & Volume

Surface Area & Volume Practice **ANSWER KEY**

Name: _____

Class Period: 1 2 3 4 Date: _____

Rectangular Prism	Surface Area (Show work and circle your answer.)	Volume (Show work and circle your answer.) $V = lwh$ OR $V = Bh$
	1) SA = 280 m²	2) V = 300 m³
	3) SA = 94 units²	4) V = 60 units³
	5) SA = 150 in²	6) V = 125 in³
	7) SA = 58 m²	8) V = 28 m³

9) Circle the choices that relate to volume. Underline the choices that relate to surface area.

Filling a pool with water Wrapping a present The amount of cereal in a box Painting a house

10) How are surface area and volume alike? **Both require you to multiply using side measurements**

11) How are surface area and volume are different? **Surface Area is the total area of all of the surfaces of the figure. It is a measurement of the area of the OUTSIDE of a figure. Volume is the total capacity of the INSIDE of a figure.**

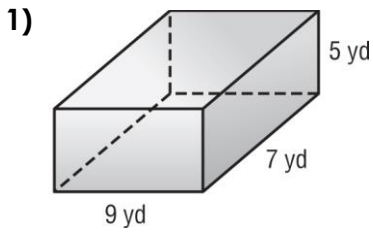
Math 6 - Unit 5: Area & Volume

Surface Area & Volume Practice **ANSWER KEY**

Name: _____

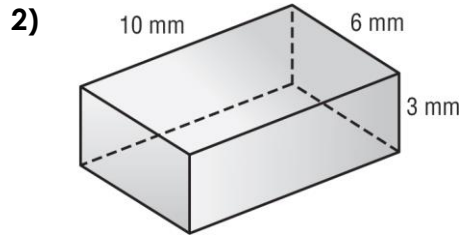
Class Period: 1 2 3 4 Date: _____

Find the volume and surface area of each prism.



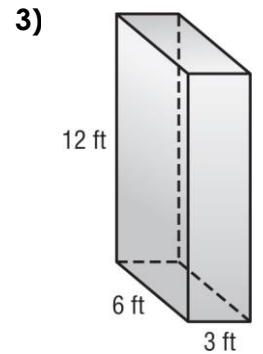
SA: 286 yd^2

V: 315 yd^3



SA: 216 mm^2

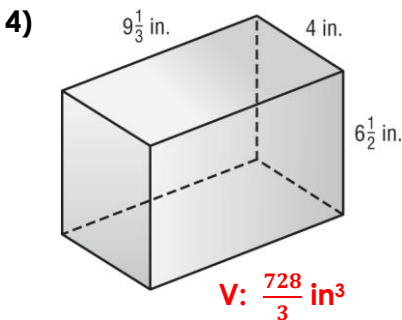
V: 180 mm^3



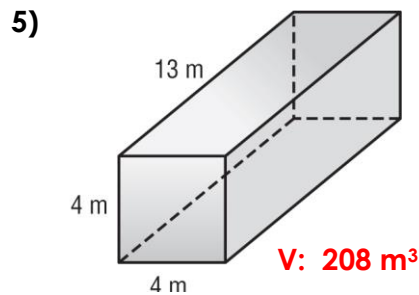
SA: 252 ft^2

V: 216 ft^3

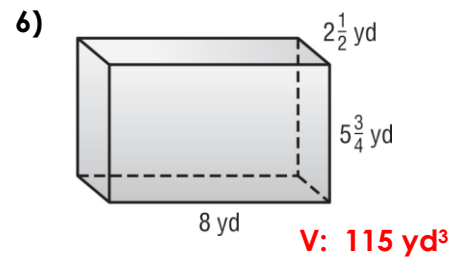
Find the volume of each prism.



V: $\frac{728}{3} \text{ in}^3$

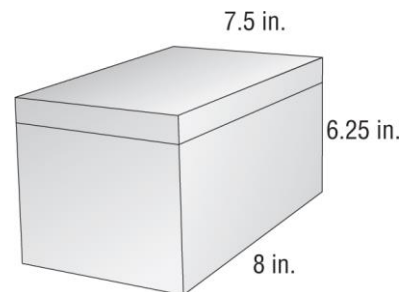


V: 208 m^3



V: 115 yd^3

- 7) **TOYS** Geneva's younger brother has a toy box that is 3.6 feet long, 2.4 feet wide, and 1.5 feet high. What is the volume of the toy box? **375 in^3**



- 8) What is the volume of a rectangular prism with a length of 11 meters, width of 26 meters, and height of 38 meters? **10868 m^3**

- 9) **BAKING** The bread loaf pan shown is filled to a height of 2 inches with banana bread batter. How much **more batter** could the pan hold before it overflowed? **45 in^3**

