

## Chapter 2 Review

Simplify each of the following:

1.  $12^0$

10.  $(-6)(-2)(-3)$

2.  $4 \div 0$

11.  $(-2)^3$

3.  $0 \div 4$

12.  $2(-6) + 8(-1)$

4.  $21 - (-8)$

13.  $(2 - 3)(-3)(-2)$

5.  $-21 - (-8)$

14.  $\frac{-7(2) - 6}{10}$

6.  $21 + (-8)$

15.  $4(3x + 7)$

7.  $-21 - 8$

16.  $6(7x - 4)$

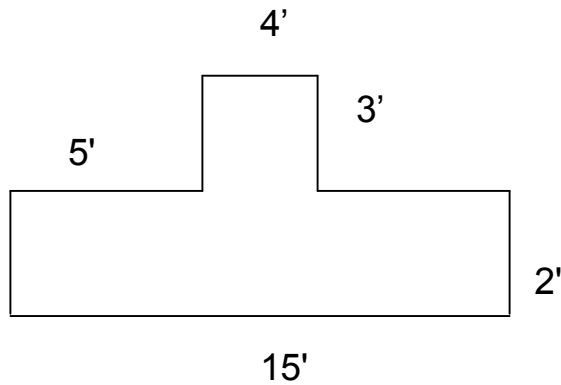
8.  $12 - 8 - (-2)$

17.  $6 \cdot 8^2 + 32 \div 8 - 2^2$

9.  $8(2 - 7) - 6(1 - 2)$

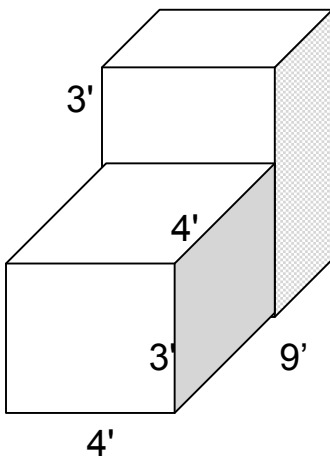
For each of the geometry problems below, find the area, volume or perimeter as requested. For each problem, write the formula, plug in the known values, and perform the computations to find the area, volume, or perimeter, as requested. Use the appropriate units with your answer.

18. Find the area:

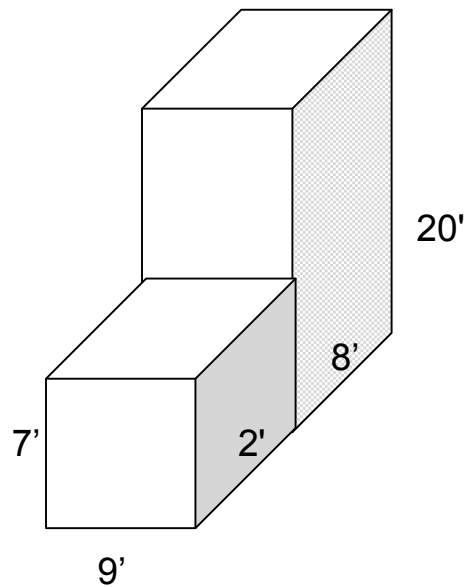


19. Find the perimeter of the figure in problem #18.

20. Find the volume:



21. Find the volume:



Mixed-up Answers:  
Match each answer to the  
corresponding problem.

- a)  $12x + 28$
- b) 13
- c) -13
- d) -20
- e) -2
- f) 40 ft
- g) -6
- h) 384
- i)  $42 \text{ ft.}^2$
- j) -29
- k) 1
- l) -36
- m) 29
- n) -34
- o) undefined
- p)  $168 \text{ ft.}^3$
- q) -8
- r) .6
- s) 0
- t)  $42x - 24$
- u)  $1566 \text{ ft.}^3$