

Name _____ Date _____

**Monitoring Progress****Algebraic Rules and Properties****Part 1**

Use PEMDAS to evaluate the expressions.

1. $16 \div -2 \cdot -2$ _____

2. $-6 + 3^2 + -4$ _____

3. $3 \cdot 5 \div (-1 + -4)$ _____

4. $-80 + 90 + -4 + -4$ _____

5. $5 \cdot (-3 + 6)$ _____

Part 2

Evaluate the expressions.

1. Let $s = -3$
 $4s + 4 - 2$

2. Let $b = 6$
 $2b + -4$

3. Let $g = -5$
 $3g + -10 + -2g$

4. Let $t = 6$
 $-2t - 8$

Part 3

Use the distributive property to simplify the expressions.

1. $2(x + 5)$ _____

2. $-3(r - 4)$ _____

3. $4(z + 2)$ _____

4. $5(-m + 6)$ _____

5. $9(c - 9)$ _____



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Monitoring Progress
Volume of Three-Dimensional Shapes

Part 4

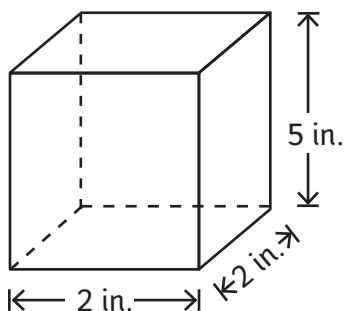
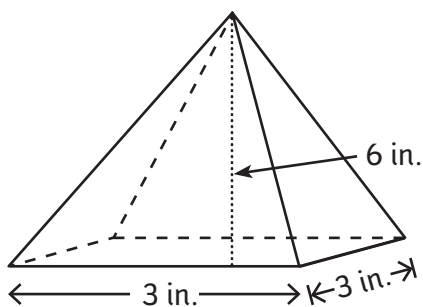
Use a calculator to solve.

Area of a circle = πr^2

Area of a triangle = $\frac{1}{2} \cdot b \cdot h$

Area of a square or rectangle = $b \cdot h$

1. What is the volume of this pyramid?
2. What is the volume of this prism?



3. What is the volume of this cone?
4. What is the volume of this cylinder?

