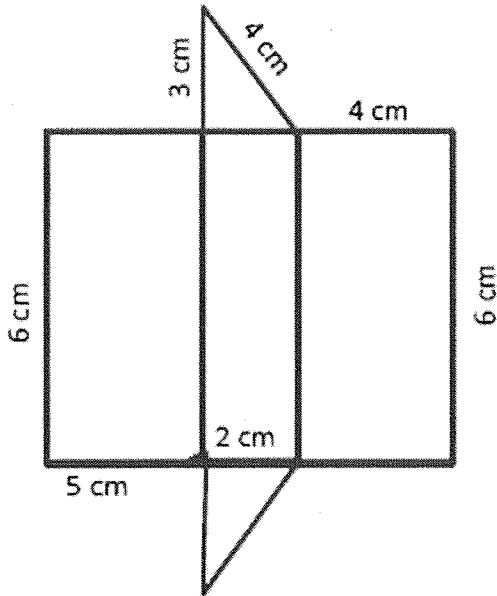


**Directions:** Find the surface area of the triangular prism.

**Example #3**

Show your work.

(HINT: Find the SUM OF all area of each polygon.)

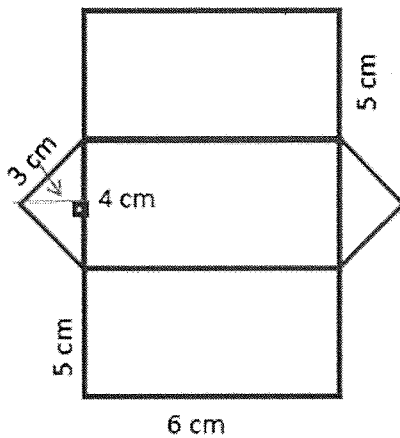


Surface Area: \_\_\_\_\_

**Example #4**

Show your work.

(HINT: Find the SUM OF all area of each polygon.)



Surface Area: \_\_\_\_\_

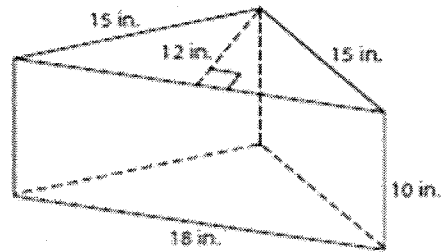
## Extra Practice

### Example 5

Rita keeps her craft supplies in a container without a top. The container is a triangular prism. Rita plans to cover the outside of the container with decorative paper. How much paper does she need?

*Show your work.*

How many faces should you include in your calculations?



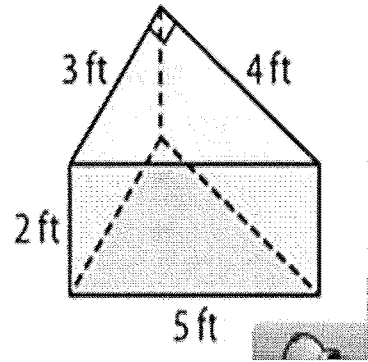
*Solution:* \_\_\_\_\_

### Example 6

The figure shown is a triangular prism. How much would it cost to cover the bases and the other three faces with foil that costs \$0.22 per square foot?

\_\_\_\_\_

\_\_\_\_\_



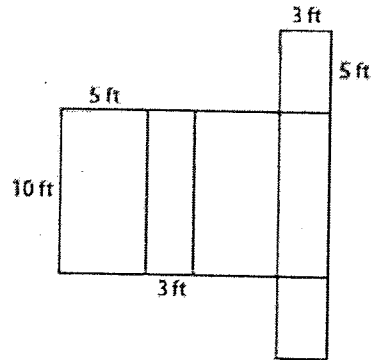
Show all of your work.

UCLA

Solve.

Carl drew this net for a wooden shed that he will build. He wants to protect the wood against the weather by using a sealant on all of the outside surfaces, including the bottom. Will a container of sealant that covers 200 square feet be enough to protect the outside surfaces?

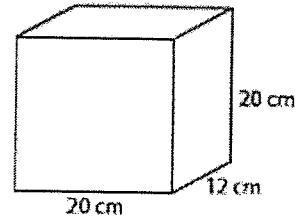
Show your work.



Solution: \_\_\_\_\_

Susana is making a small box. The 20-cm by 20-cm front of the box will be glass. The other faces will be wood. How much wood does Susana need to make the box?

Show your work.



Solution: \_\_\_\_\_

The surface area of a cube is 216 square meters. What is the height of the cube? Explain.

\_\_\_\_\_

\_\_\_\_\_

Mike says that if he doubles each dimension of any rectangular prism, the surface area also doubles. Is Mike correct? Give an example to support your answer.

\_\_\_\_\_

\_\_\_\_\_

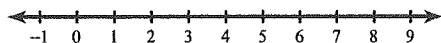
\_\_\_\_\_



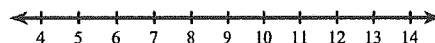
## Solving One-Step Inequalities by Multiplying/Dividing Date \_\_\_\_\_ Period \_\_\_\_\_

Solve each inequality and graph its solution.

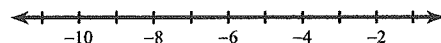
1)  $-4m \geq -4$



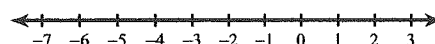
2)  $\frac{n}{5} \leq 2$



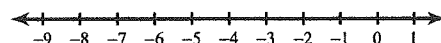
3)  $-4r > 16$



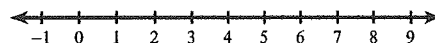
4)  $\frac{n}{2} < 0$



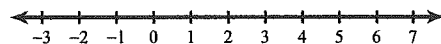
5)  $\frac{x}{5} \leq -\frac{3}{5}$



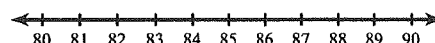
6)  $\frac{x}{2} \geq 3$



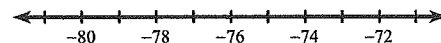
7)  $14v \leq 14$



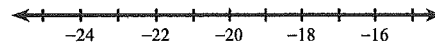
8)  $\frac{b}{6} > 14$



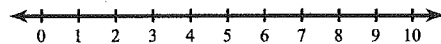
9)  $\frac{a}{6} < -13$



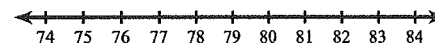
10)  $\frac{n}{3} \geq -6$



11)  $-10x < -80$



12)  $\frac{k}{13} \leq 6$





NAME \_\_\_\_\_

Cal  
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# Section 3.2

## ALGEBRA

Date \_\_\_\_\_ Period \_\_\_\_\_

### Determining Functions: Practice A

Determine if the following are functions... Write "function" or "not function" on the line.

<u>X</u>	1	2	3	4
<u>Y</u>	4	-2	5	-3

<u>X</u>	0	8	-2	6
<u>Y</u>	7	-2	8	1

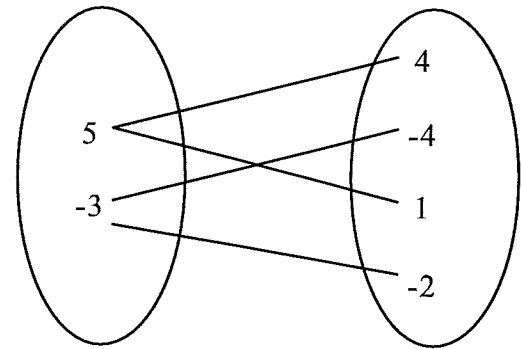
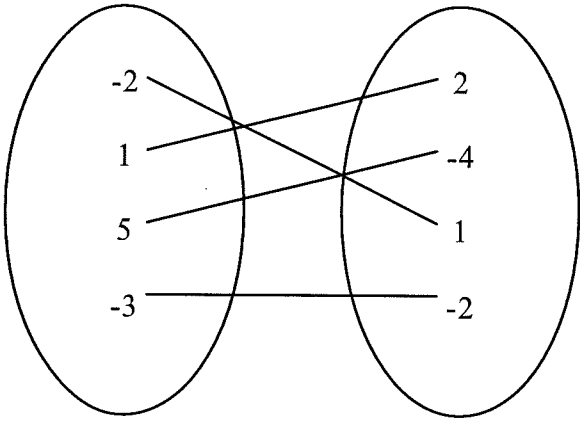
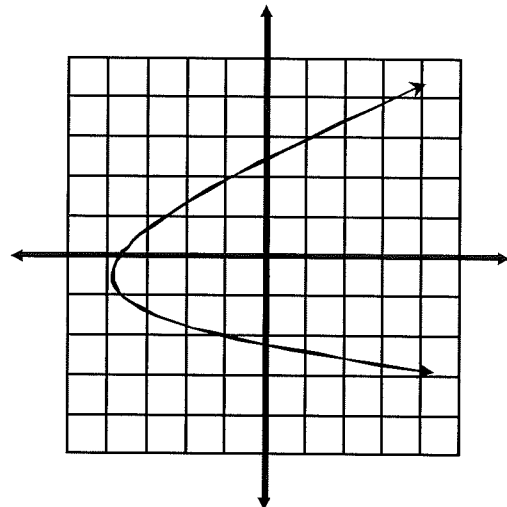
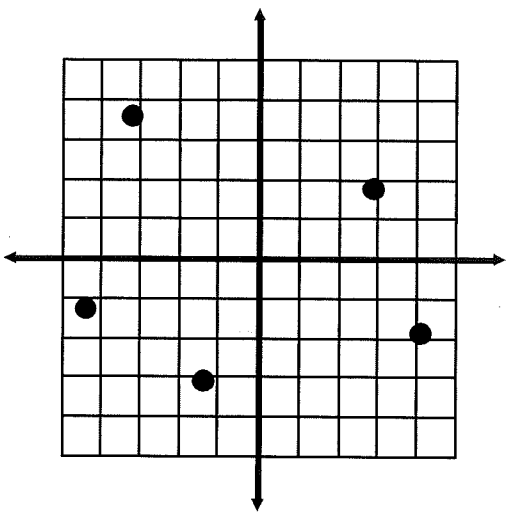
<u>X</u>	4	3	4	6
<u>Y</u>	6	-1	2	6

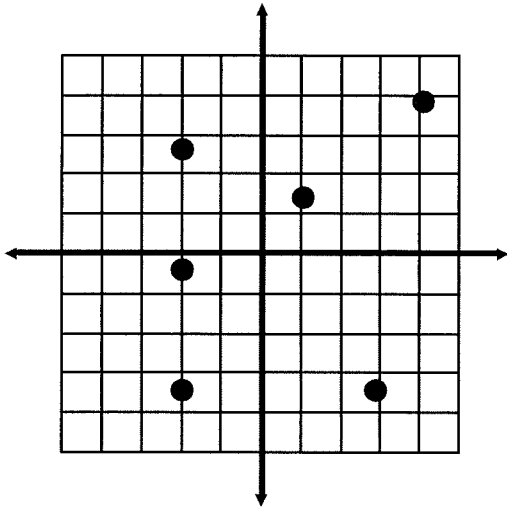
\_\_\_\_\_

{ (6, 1), (4, 2), (6, -3), (2, 5) }

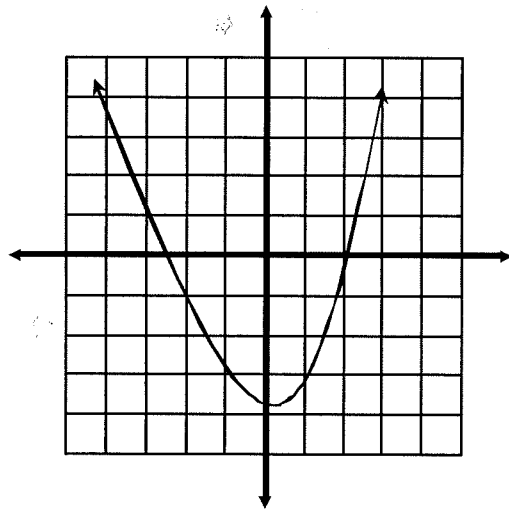
\_\_\_\_\_

{ (5, 8), (3, -2), (-2, -5), (0, 0) }





$\{(2, 4), (2, 5), (2, 6), (2, 7)\}$

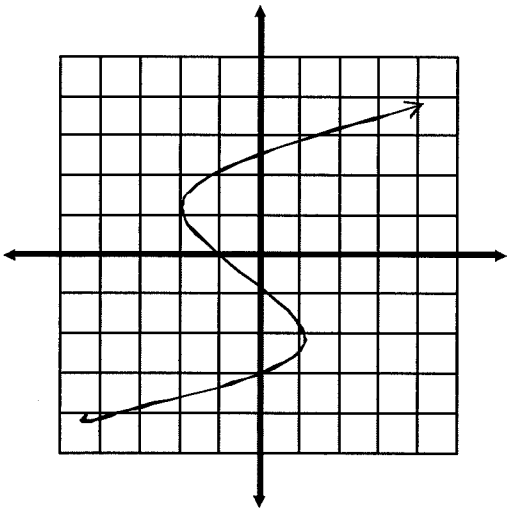


$\{(0, 0), (3, -1), (-5, -5), (4, 0)\}$

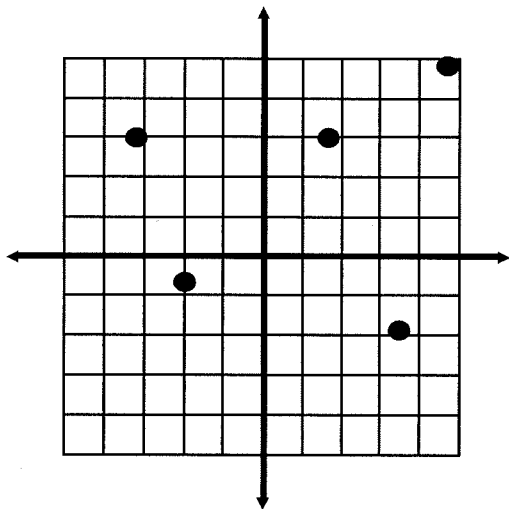
<u>X</u>	3	3	3	3
<u>Y</u>	5	-2	1	-3

<u>X</u>	0	4	7	6
<u>Y</u>	1	1	1	1

<u>X</u>	2	5	8	1
<u>Y</u>	-8	3	2	3



$\{(5, 5), (4, 4), (3, 3), (2, 2)\}$



$\{(0, 2), (0, 4), (0, 6), (0, 8)\}$