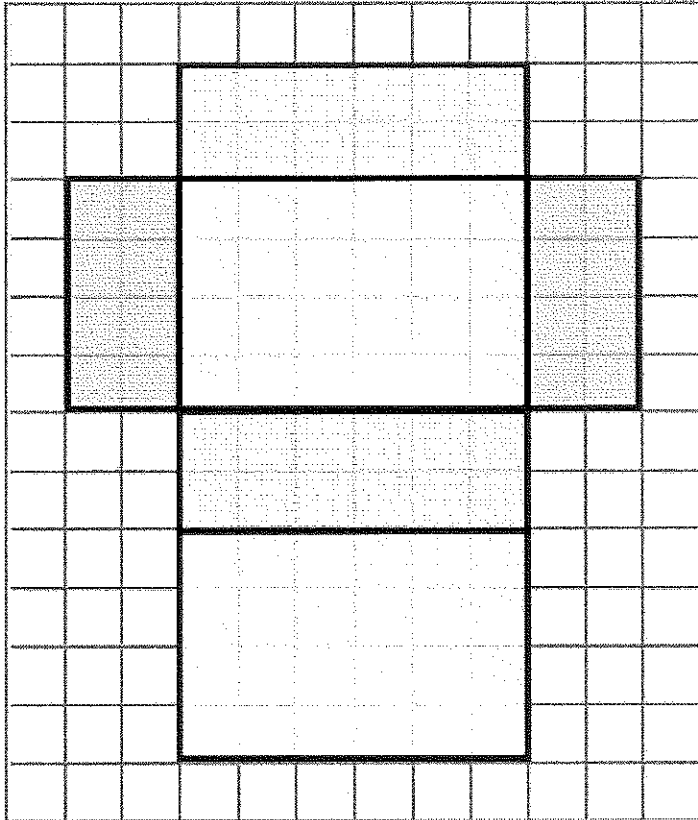


Let's Find the Surface Area!



a) Let's label the top bottom, front, back, right side, and left side.

b) Let's complete the table below, finding the area of each face.

Face	Length	Width	Area
Front			
Back			
Top			
Bottom			
Right Side			
Left Sides			

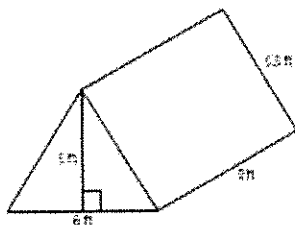
c) What is the surface area of all of the net above?

The surface area is _____.

Surface Area of a Triangular Prism

Homework

1. A tent company makes one type of tent that is shaped like a triangular prism. The approximate dimensions of the tent are shown below.



Based on these dimensions, how much fabric is needed to make one tent, including a floor?

Show your work.

Answer: _____ square feet

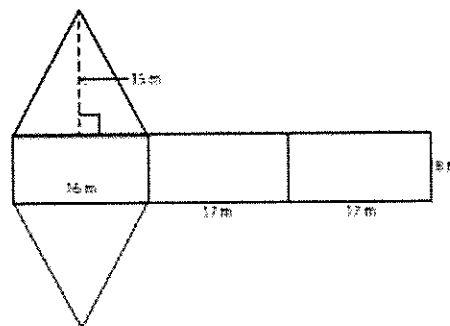
2. The diagram represents the net of a triangular prism. Chris wants to find the surface area.

First, he finds the area of the two triangles by calculating $0.5 \times 16 \times 15 \times 2$.

Next, he finds the area of the three rectangles by calculating $17 \times 8 \times 3$.

Finally, he adds the areas of the triangles and rectangles to get a total surface area of 648 square meters.

Chris makes an error when finding the surface area. Identify the error Chris makes and explain how to correctly calculate the surface area.



Amar

Name: _____

Date: _____

Inequalities - Intro to Notation and Graphing

Class: Math 7

Homework

#1.) Give an example of where you find situations with inequalities in everyday life. Also, write an inequality to represent that situation.

For #'s 2 - 4: Write an inequality for each sentence.

#2.) At a restaurant, children under 6 years old eat for free.

#3.) You are given a max of 45 minutes to complete a test.

#4.) If you spend \$100 or more at the store you receive a coupon.

For #'s 5- 7: Determine whether the inequality is true or false for the value given.

#5.) $x - 11 < 9$; $x = 20$

#6.) $42 \geq 6a$; $a = 8$

#7.) $\frac{n}{3} + 1 \leq 6$; $n = 15$

For #'s 8-9b: Solve and graph the inequality.

#8.) $x + 5 > 6$

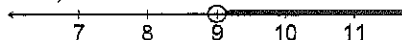
#9.) $6x < 3$

#9b.) $8x - 1 \leq 15$

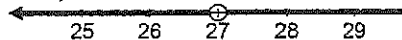


For #'s 10 - 12: Write the inequality represented by each graph.

#10.)



#11.)



#12.)



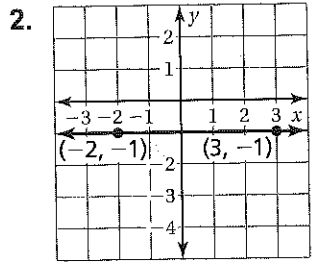
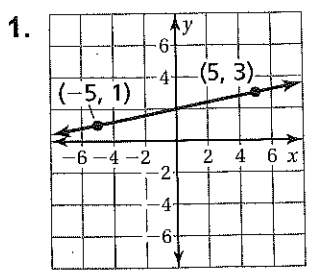
JH

Name _____ Date _____

4.2

Practice B

Find the slope of the line.



Find the slope of the line through the given points.

3. $(1, -6), (-1, 6)$

4. $(-3, -6), (6, 6)$

The points in the table lie on a line. Find the slope of the line.

5.

x	0	2	4	6
y	-4	-1	2	5

6.

x	-4	-1	0	3
y	7	4	3	0

7. A ramp used to remove furniture from a moving truck has a slope of $\frac{2}{5}$.

The height of the ramp is 4 feet. How far does the base of the ramp extend from the end of the truck?

8. The graph shows the cost of a long distance phone call.

- a. Find the slope of the line.
- b. Explain the meaning of the slope as a rate of change.
- c. How much money is added to the phone bill if you talk for 5 extra minutes?
- d. How many minutes did you talk if the phone call costs \$3?

