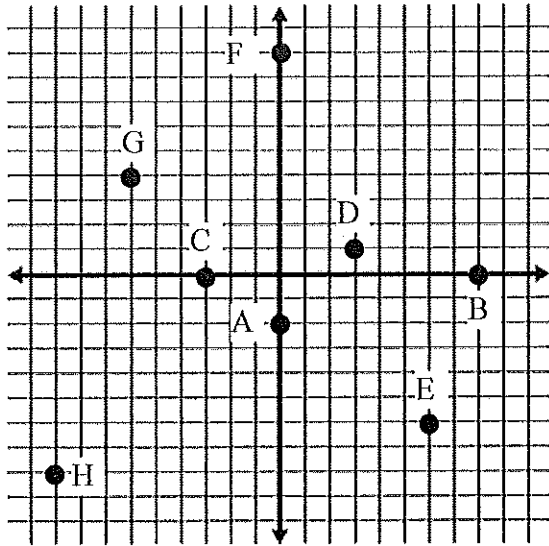


What's the distance between the following points on a coordinate graph?

1.  $(-3, -8)$  and  $(-3, 9)$

2.  $(11, 28)$  and  $(30, 28)$

3.  $(-1, -3)$  and  $(-1, -27)$



4. Write the ordered pair.

A = \_\_\_\_\_

E = \_\_\_\_\_

B = \_\_\_\_\_

F = \_\_\_\_\_

C = \_\_\_\_\_

G = \_\_\_\_\_

D = \_\_\_\_\_

H = \_\_\_\_\_

Solve using a calculator.

5.  $\frac{1.7}{\square} = \frac{16}{64}$

6.  $\frac{\square}{5 \frac{1}{7}} = \frac{7}{6}$

7. Look at the number line below then match the letter with the number from the bubble. Not every number will be used!



- A = \_\_\_\_\_
- B = \_\_\_\_\_
- C = \_\_\_\_\_
- D = \_\_\_\_\_
- E = \_\_\_\_\_
- F = \_\_\_\_\_
- G = \_\_\_\_\_
- H = \_\_\_\_\_
- I = \_\_\_\_\_
- J = \_\_\_\_\_
- K = \_\_\_\_\_
- L = \_\_\_\_\_

.9	27%	$1 \frac{11}{20}$
1.4	55%	$1 \frac{9}{10}$
.007	80%	$\frac{48}{100}$
.22	480%	$\frac{51}{50}$
.71	9%	$2 \frac{1}{4}$
1.8	100%	

Expand using the Distributive Property.

Simplify the expressions.

8.  $2(x - 3)$

9.  $12(2x + 5)$

10.  $14 + 15x - 18 - x$

11.  $1 + 14d - 2d - 4d$

Solve the following equations and inequalities and graph the solutions on the number lines provided. Show all your steps! Box or circle your answer. You may use a calculator if you would like.

12.  $x - 12 = 40$

13.  $144 = 12x$

14.  $3x > 246$

15.  $17 \geq x + 9$



Evaluate the following math expressions.

16.  $5x^3$  if  $x = 2$

17.  $100 + 7e$  if  $e = 4$

Simplify the following problems down to one value. Do not use a calculator.

18.  $|16| =$     19.  $|-31| =$     20.  $2^5 =$     21.  $(11)^2 =$     22.  $1^{30} =$

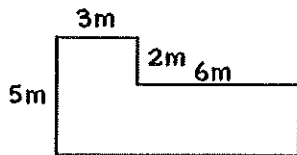
Add, subtract, multiply and divide. Show all your work! Simplify your answers! Do not use a calculator.

23.  $22 + 3.7 + 1.153 =$     24.  $1 \frac{1}{6} \times \frac{1}{7} =$     25.  $7 \frac{3}{7} - 3 \frac{1}{2} =$     26.  $9.5 \times .006 =$

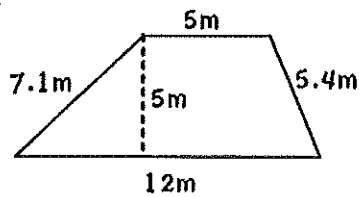
27.  $3 \frac{1}{8} \div 1 \frac{1}{4} =$     28.  $.328 \div .08 =$     29.  $4 \frac{2}{5} + 7 \frac{3}{4} =$     30.  $87.3 - 9.178 =$

Find the Area and Perimeter of the polygons below. Show all your work!

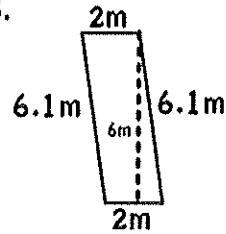
31.



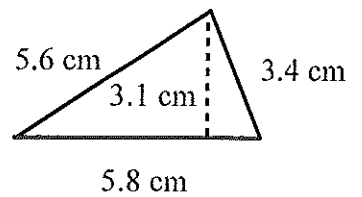
32.



33.



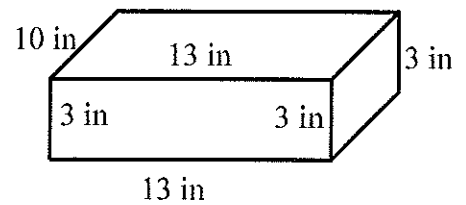
4.



35. Complete the chart. You may use a calculator.

Prob	RATIO	FRACTION	DECIMAL	PERCENT
A				101%
B				7%
C				83%
D				96.7%
E		$\frac{19}{19}$		
F		$\frac{7}{24}$		
G		$1\frac{6}{11}$		

36. Find the surface area and volume.



Complete the following tables for the values given and write the equations for the tables

37.

X	Y
1	24
7	30
12	35
23	
	100

38.

X	Y
1	-8
12	3
19	10
34	
	189

39.

X	Y
-3	
0	
30	
	698

Equation \_\_\_\_\_

Equation \_\_\_\_\_

Equation  $y = x \cdot 7 - 2$  \_\_\_\_\_