MATH FINAL EXAM REVISION

9 ADV (REVEAL) - T2 .

DONE BY : SSHHOOSSOO .
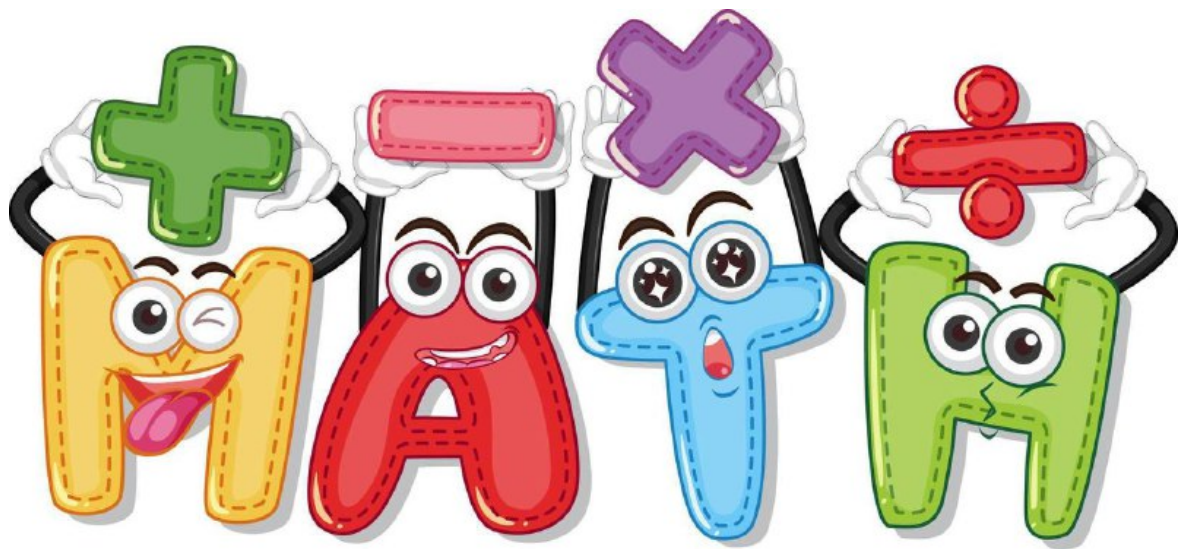
NAME : ....

CLASS : ....

SCORE : 100 /

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Solve systems of equations by eliminating a variable using multiplication and addition.

$$8x + 3y = 4$$
$$-7x + 5y = -34$$

SELECT AN ANSWER :

A. (2 , - 4)   B. (- 2 , 4)

C. (- 2 , - 4)   D. (2 , 4)

Q2 :

calculate measures of line segments

$$XY = 7a , \; YZ = 5a , \; XZ = 6a + 24$$

SELECT AN ANSWER :

A. 4   B. 10

C. 20   D. 96

Q3 :

$$x - y = -2$$

$$-x + y = 2$$

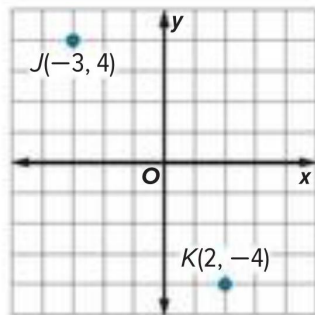**SELECT AN ANSWER :**

A. - 2 , ONE SOLUTION   B. 55 , NO SOLUTION

C. 12 , ∞ SOLUTION   D. - 33 , ONE SOLUTION

Q4 :

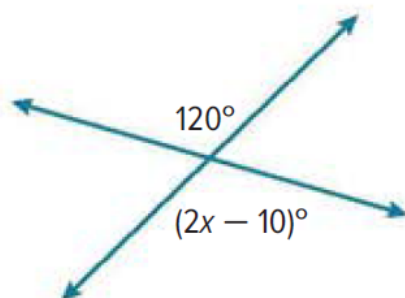Find the distance between two points on the coordinate plane.

SELECT AN ANSWER :

A. 6.7   B. 10

C. 81   D. 9.4

Q5 : Analyze figures characteristics of adjacent angles, linear pairs of angles, and vertical angles

120°
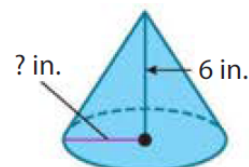
$(2x - 10)°$

SELECT AN ANSWER :

A. x = 12

B. x = 91

C. x = 35

D. x = 65

Q6 : Calculate surface areas and volumes.

19. A disposable cup is in the shape of a cone, as shown. The cup has a volume of about 48.8 in³. What is the radius of the cup to the nearest inch?

? in.   6 in.

SELECT AN ANSWER :

A. 5.2

B. 2.78

C. 9.7

D. 7.0

Q7 :

1. Name the lines that are only in plane Q.
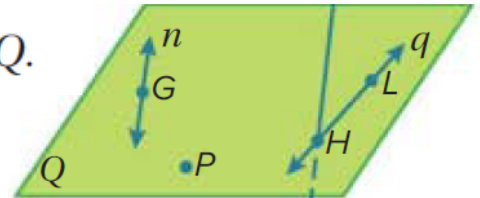
SELECT AN ANSWER :

A. P

B. n , q

C. H , L

D. G

Q8 :

$$y = 4x + 5$$

$$2x + y = 17$$

SELECT AN ANSWER :

A. (2 , 13)

B. (13 , 2)

C. (- 2 , - 13)

D. (- 13 , 2)

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Solve systems of equations by eliminating a variable using addition.

$$3j + 4k = 23.5$$

$$8j - 4k = 4$$

SELECT AN ANSWER :
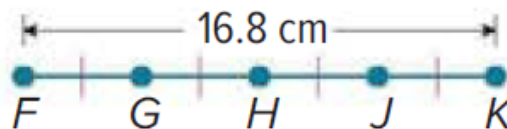
A. (5 , 6) B. (11 , 0)

C. (2.5 , 4) D. (- 3 , - 4)

Q10 :

Apply the definition of congruents line segments to find missing values

$\overline{FG}$

16.8 cm

F G H J K

SELECT AN ANSWER :

A. 5.7 B. 4.2

C. 17.9 D. 8.6

Q11 :

$$\overline{AC}$$

4.9 cm   5.2 cm

A   B   C

SELECT AN ANSWER :

A. 5.3   B. 1.3

C. 9.1   D. 10.1

Q12 :

determine the number of solutions of a system of liner equations.

$$y = -\frac{3x + 5}{2}$$

$$y = -\frac{2x + 5}{3}$$

SELECT AN ANSWER :

A. NO SOLUTION , INCONSISTENT

B. ONE SOLUTION , CONSISTENT , INDEPENDENT

C. INFINTELY MANY SOLUTION , CONSISTENT , DEPENDENT

Find a point on a directed line segment on a number line that is a given fractional distance from the initial point.

Find the coordinate of point B that is $\frac{1}{4}$ of the distance from M to J.
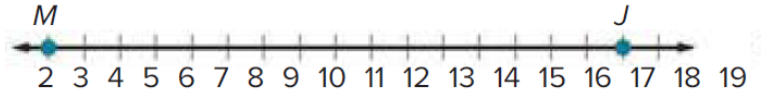
SELECT AN ANSWER :

A. 9

B. 14

C. 6

D. 10

Find a point that partitions a directed line segment on the coordinate plane in a given ratio.

Find point G on $\overline{AB}$ such that the ratio of AG to GB is 3:2.

SELECT AN ANSWER :

A. (2 , 5)

B. (9 , 2)

C. ($\frac{9}{5}$, 2)

Q15 :

$$y < 5x - 5$$
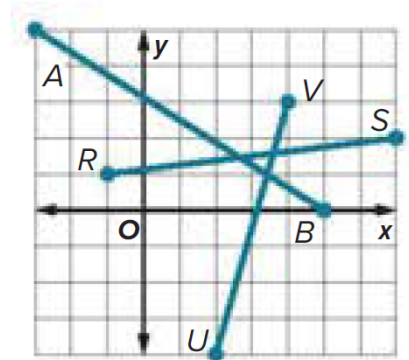
$$y > 5x + 9$$

SELECT AN ANSWER :

A.
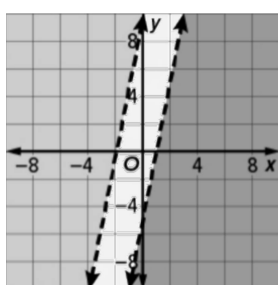
B.
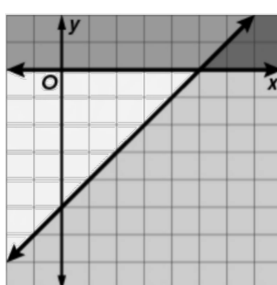
C.
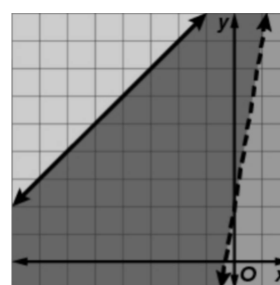
Q16 :

Find perimeters, circumference, and areas of two-dimensional geometric shapes.
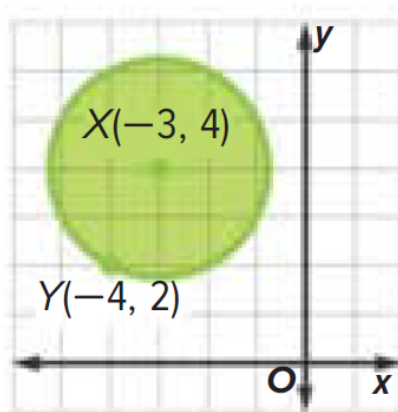
$X(-3, 4)$

$Y(-4, 2)$

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Q17 :
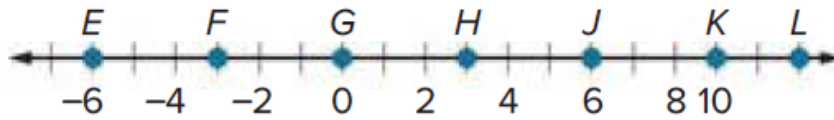
$\overline{FK}$ $\overline{FG}$

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Q18 :

Find perimeters, circumference, and areas of two-dimensional geometric shapes.

$\overleftrightarrow{WX}$ and $\overleftrightarrow{YZ}$ intersect at point V. If $m\angle WVY = (4a + 58)°$ and $m\angle XVY = (2b - 18)°$, find the values of a and b such that $\overleftrightarrow{WX}$ is perpendicular to $\overleftrightarrow{YZ}$.

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Q19 :

1.8 cm

X

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Q20 :

$\angle E$ and $\angle F$ are complementary. The measure of $\angle E$ is 54° more than the measure of $\angle F$. Find the measure of each angle.

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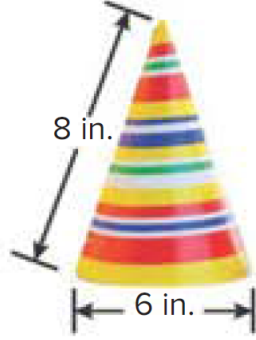...

Q21 :

Calculate surface areas of three-dimensional figures represented by nets, and determine the correct nets for three-dimensional geometric figures

8 in.

6 in.

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- المذكرة تشمل جميع أسئلة الهيكل .
- المذكرة دليل للتدريب على الامتحان النهائي .

بالتوفيق لكم جميعاً 3>، .