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## حل أسئلة مراجعة مختصرة وفق الهيكل الوزاري

موقع المناهج ← المناهج الإماراتية ← الصف العاشر العام ← رياضيات ← الفصل الثاني ← حلول ← الملف

تاريخ إضافة الملف على موقع المناهج: 14:49:01 2025-03-02

ملفات اكتب للمعلم اكتب للطالب | اختبارات الكترونية | اختبارات | حلول | عروض بوربوينت | أوراق عمل  
منهج انجليزي | ملخصات وتقارير | مذكرات وبنوك | الامتحان النهائي للمدرس

المزيد من مادة  
رياضيات:

## التواصل الاجتماعي بحسب الصف العاشر العام



صفحة المناهج  
الإماراتية على  
فيسبوك

الرياضيات

اللغة الانجليزية

اللغة العربية

التربية الاسلامية

المواد على تلغرام

## المزيد من الملفات بحسب الصف العاشر العام والمادة رياضيات في الفصل الثاني

أسئلة مراجعة مختصرة وفق الهيكل الوزاري

1

ملزمة أسئلة وفق الهيكل الوزاري منهج بريدج

2

تمارين مراجعة وفق الهيكل الوزاري منهج بريدج

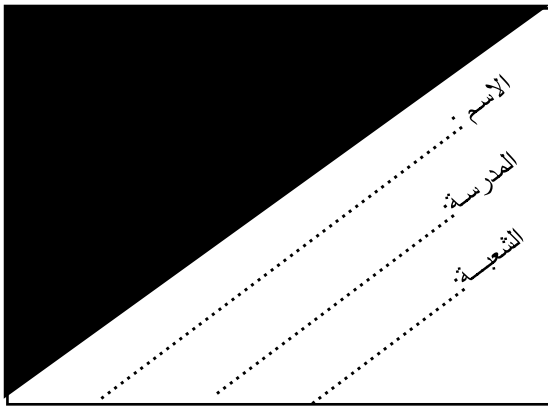
3

حل تجميعية أسئلة وفق الهيكل الوزاري منهج بريدج

4

تجميعية أسئلة وفق الهيكل الوزاري منهج بريدج

5



## Khalifa Bin Zayed School

	Find sum $(4a - 5b + 3) + (6 - 2a + 3b) =$ A. $2a - 2b - 9$ B. $2a - 2b + 9$ C. $2a - 2b - 9$ D. $2a + 2b + 9$	.1
	Find the difference $(3c^3 - c + 11) - (c^2 + 2c + 8) =$ A. $(3c^3 - c^2 - 3c + 3)$ B. $(3c^3 + c^2 - 3c + 3)$ C. $(3c^3 - c^2 + 3c + 3)$ D. $(3c^3 - c^2 - 3c - 3)$	2
	Simplify each expression. $(y^2)(-4y + 5) - 6y^2 =$ A. $+4y^3 + y^2$ B. $-4y^3 + 2y^2$ C. $-4y^3 - y^2$ D. $4y^3 + y^2$	3
	Find each product. $(9x + 1)(2x - 5) =$ A. $18x^2 - 43x - 5$ B. $18x^2 - 43x + 5$ C. $18x^2 + 43x - 5$ D. $-18x^2 - 43x - 5$	.4

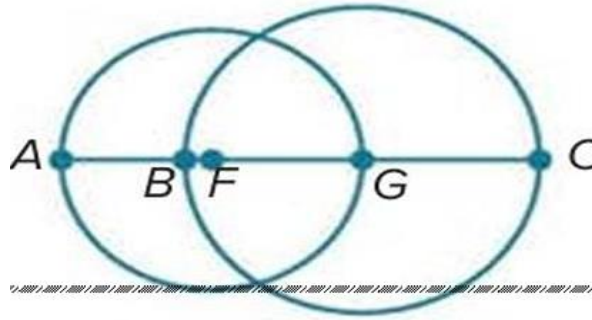
	<p>Find each product.</p> $(3x + 4)^2 =$ <p>A. <math>9x^2 + 24x + 16</math>  B. <math>9x^2 + 24x - 16</math>  C. <math>3x^2 + 24x - 16</math>  D. <math>3x^2 + 24x + 16</math></p>	.5
	<p>Find each product.</p> $(2x - 7)^2 =$ <p>A. <math>4x^2 - 28x + 7</math>  B. <math>4x^2 - 28x + 49</math>  C. <math>2x^2 + 14x - 49</math>  D. <math>2x^2 + 14x - 7</math></p>	.6
	<p>Use the Distributive Property to factor each polynomial.</p> $28x^2 + 7x =$ <p>A. <math>7x(4x + 1)</math>  B. <math>7x(4x - 1)</math>  C. <math>7x(4x + 7)</math>  D. <math>7x(4x - 7)</math></p>	.7
	<p>Factor each polynomial.</p> $35y^3 - 5y^2 + 21y - 3$ <p>A. <math>(7y + 1)(5y^2 + 3)</math>  B. <math>(7y - 1)(5y^2 - 3)</math>  C. <math>(7y - 1)(7y^2 + 3)</math>  D. <math>(7y - 1)(5y^2 + 3)</math></p>	.8
	<p>Factor each polynomial</p> $-12y^2 + y + 20$ <p>A. <math>(3y - 4)(-4y + 5)</math>  B. <math>(3y + 4)(-4y - 5)</math>  C. <math>(3y - 4)(-4y - 5)</math>  D. <math>(3y + 4)(-4y + 5)</math></p>	9.

Find the diameter of a circle to the nearest hundredth with the given circumference 40 cm

- A.  $d = 40.74$                       C.  $d = 12.74$   
 B.  $d = 40.73$                       D.  $d = 12.73$

The diameters of  $\odot F$  and  $\odot G$  are 5 and 6 units, respectively. Find each measure BF

- A.  $BF = 0.5$   
 B.  $BF = 2.5$   
 C.  $BF = 1.5$   
 D.  $BF = 2$

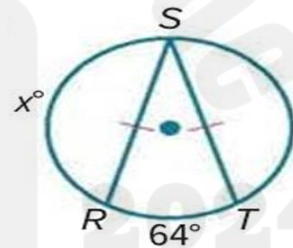


Write 120 degree measure in radians as a multiple of  $\pi$

- A.  $\frac{2\pi}{3}$                       C.  $\frac{\pi}{3}$   
 B.  $\frac{4\pi}{3}$                       D.  $\frac{2\pi}{5}$

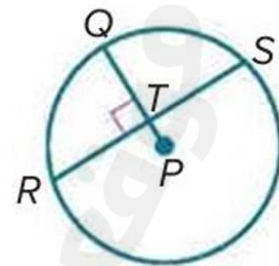
Find the value of x.

- A.  $X = 146$                       C.  $X = 148$   
 B.  $X = 296$                       D.  $X = 64$



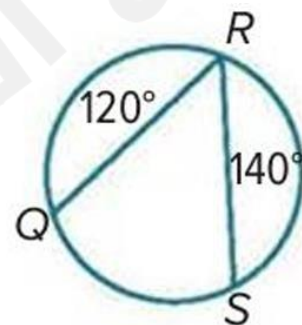
In  $\odot P$ ,  $PQ = 13$  and  $RS = 24$ . Find each measure QT

- A.  $QT = 8$                       C.  $QT = 13$   
 B.  $QT = 12$                       D.  $QT = 5$



Find measure  $m\angle R$

- A.  $m\angle R = 60$                       C.  $m\angle R = 100$   
 B.  $m\angle R = 50$                       D.  $m\angle R = 260$



10.

11.

12.

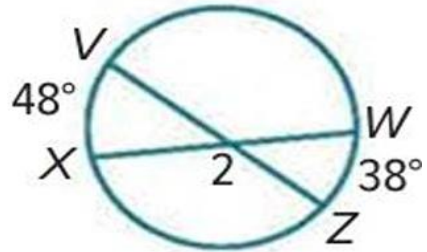
13.

14.

15.

Find measure  $m\angle 2$

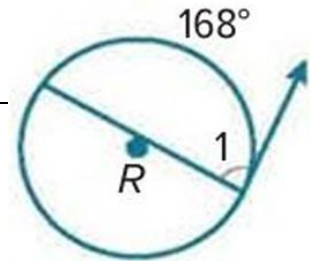
- A.  $m\angle 2 = 43$                       C.  $m\angle 2 = 86$   
B.  $m\angle 2 = 137$                     D.  $m\angle 2 = 48$



16.

Find measure  $m\angle 1$

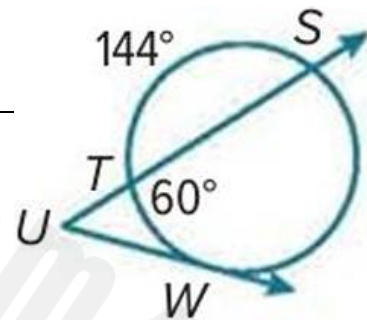
- A.  $m\angle 1 = 168$                       C.  $m\angle 1 = 84$   
B.  $m\angle 1 = 68$                       D.  $m\angle 1 = 192$



17.

Find measure  $m\angle U$

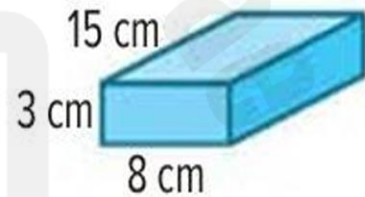
- A.  $m\angle U = 96$                       C.  $m\angle U = 144$   
B.  $m\angle U = 48$                       D.  $m\angle U = 120$



18.

Find the surface area of each solid

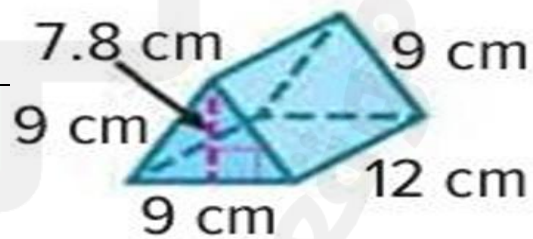
- A.  $S = 378$                       C.  $S = 360$   
B.  $S = 52$                       D.  $S = 315$



19.

Find the surface area of each solid. Round to the nearest tenth, if necessary.

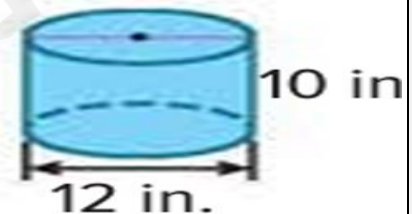
- A.  $S = 46.8$                       C.  $S = 108.2$   
B.  $S = 394.2$                     D.  $S = 314$



20.

Find the surface area of each solid. Round to the nearest tenth, if necessary.

- A.  $S = 22.8$                       C.  $S = 120$   
B.  $S = 206.4$                     D.  $S = 603.2$



21.

Find the surface area of each solid. Round to the nearest tenth, if necessary.

A.  $S = 1160.1$

C.  $S = 1250.1$

B.  $S = 1033.6$

D.  $S = 1160.2$



22.

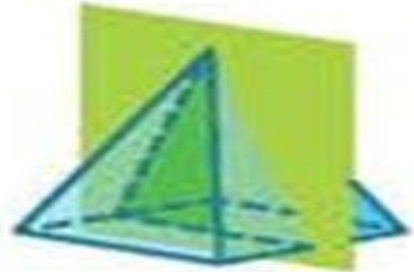
Identify the shape of each cross section.

A. Square

C. Rectangular

B. Triangle

D. Circle



23.

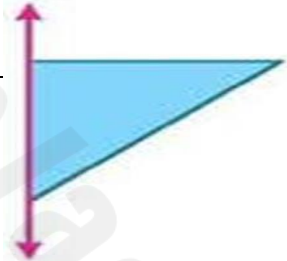
Identify the solid formed by rotating each two-dimensional shape about each line.

A. Pyramid

C. Rectangular

B. Cone

D. prism



24.

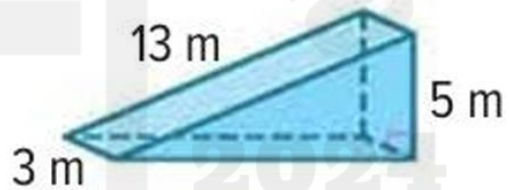
Find the volume of prism

A.  $195 m^3$

C.  $180 m^3$

B.  $90 m^3$

D.  $60 m^3$



25.

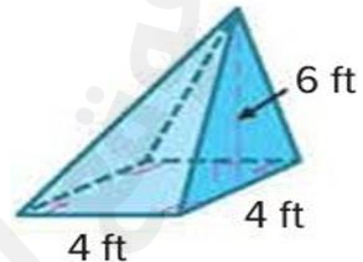
Find the volume of pyramid

A.  $48 ft^3$

C.  $96 ft^3$

B.  $16 ft^3$

D.  $32 ft^3$



26.

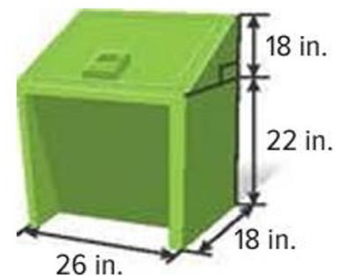
PARKS Grimby Park is installing new animal-proof trashcans. Approximate the volume of the trashcan.

A.  $14508 in^3$

C.  $14994 in^3$

B.  $15408 in^3$

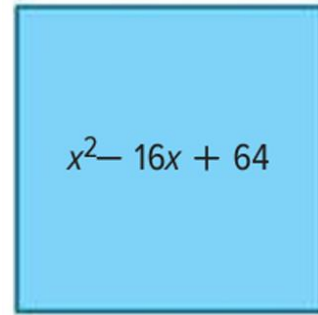
D.  $19948 in^3$



27.

Part B(FRQ) الأسئلة المقالية

- a. Factor the expression that represents the area of the Rug of Square



What do the factors in the factored expression represent?

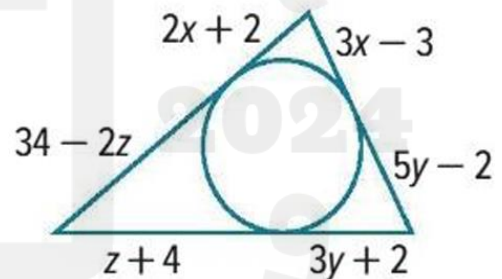
Select of the perfect square trinomials.

1/  $49x^2 - 112x + 64$

2/  $49x^2 + 56x + 64$

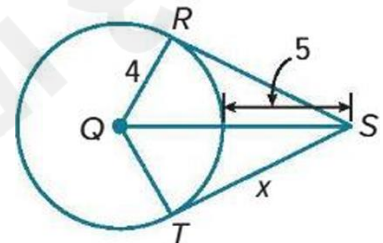
JEWELRY Joan is designing a pendant with a circular gem inscribed in a triangle.

- a. Find the values of  $x$ ,  $y$ , and  $z$ . b. Find the perimeter of the triangle.



- b. Find the perimeter of the triangle.

Find the value of  $x$  to the nearest hundredth. Assume that segments that appear to be tangent are tangent.



1.

2.

3.

4.



5. Find the volume of a cylinder with a radius of  $x$  feet and a height of  $3x + 4$  feet.

a. Find the volume of the cylinder in terms of  $x$  and  $\pi$ .

b. Find the volume of the cylinder if  $x = 3$ . Round your answer to the nearest tenth.

5.

The great circle of a sphere lies on a plane that passes through the center of the circle. The diameter of a sphere's great circle is the diameter of the sphere.

a. Find the surface area of a sphere with a great circle that has a circumference of  $2\pi$  centimeters. Round to the nearest tenth, if necessary.

b. Find the surface area of a sphere with a great circle that has an area of about 32 square feet. Round to the nearest tenth, if necessary.

6.