الملف أوراق عمل مراجعة الفصل الثاني

روابط مواقع التواصل الاجتماعي بحسب الصف الثامن

روابط مواد الصف الثامن على تلغرام

الرياضيات	اللغة الانجليزية	اللغة العربية	التربية الاسلامية

المزيد من الملفات بحسب الصف الثامن والمادة رياضيات في الفصل الثاني

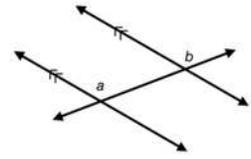|	
كل مايخص الاختبار التكويني لمادة الرياضيات للصف الثامن يوم الأحد 9/2/2020	1
تحميل كتاب الطالب	2
تدريبات شاملة كمراجعة لامتحان نهاية الفصل(مع الحلول)	3
الامتحان الوزاري لنهاية الفصل الثاني من	4
ملزمة مع الحل	5

عــام التـسـامح

Grade 8 Mathematics

Term 2 Revision

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(2)

1
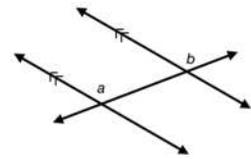
Classify the relationship between ∠a and ∠b.

○ Corresponding angles

○ Same-side interior angles

○ Alternate interior angles

○ Alternate exterior angles

2
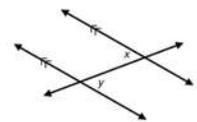
Classify the relationship between ∠a and ∠b.

○ Corresponding angles

○ Same-side interior angles

○ Alternate interior angles

○ Alternate exterior angles

3

Classify the relationship between ∠x and ∠y.
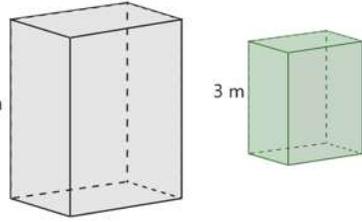

○ Corresponding angles

○ Alternate exterior angles

○ Alternate interior angles

○ Same-side interior angles

4

The two rectangular prisms are similar.
Find the surface area of the gray prism if the surface area of the green prism is 22 m². 4 m
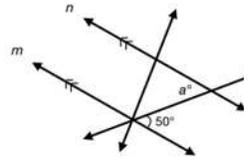Round to the nearest tenth.

3 m

- ○ 29.3 m²
- ○ 52.1 m²
- ○ 39.1 m²
- ○ 66 m²

5

In the following figure, find the value of *a*.

- ○ *a* = 50
- ○ *a* = 30
- ○ *a* = 25
- ○ *a* = 40

6

In the following figure, find the value of *x*.
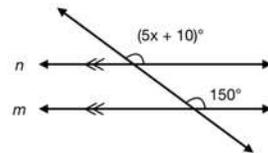
- ○ *x* = 28
- ○ *x* = 150
- ○ *x* = 30
- ○ *x* = 24

7

Find the surface area of the cone below. Round to the nearest tenth.

$\ell = 4$ m

$r = 2$ m
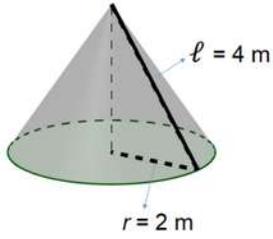
○ 37.7 m²

○ 22.5 m²

○ 75.4 m²

○ 50.3 m²

8

Find the volume of the cone below. Round to the nearest tenth.

$h = 6$ cm

$r = 2$ cm
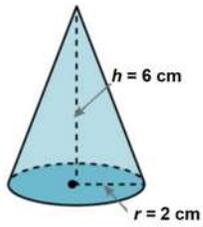
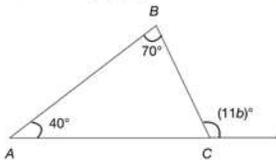○ 75.4 cm³

○ 50.3 cm³

○ 30.3 cm³

○ 25.1 cm³

9

Find the volume of a hemisphere with a diameter of 4 cm. Round to the nearest tenth.
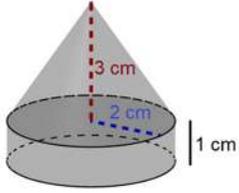
○ 16.8 cm³

○ 8.4 cm³

○ 33.5 cm³

○ 20.3 cm³

10

In the following figure, find the value of b.

B

70°

40°

A

(11b)°

C

○ $b = 10$

○ $b = 11$

○ $b = 40$

○ $b = 70$

11

Find the volume of the composite figure below. Round to the nearest tenth.

3 cm
2 cm
1 cm

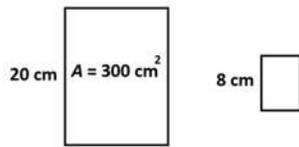○ 12.6 cm³

○ 25.2 cm³

○ 16.8 cm³

○ 50.3 cm³

12

Two circles have diameters of 2 and 5. What is the ratio of the circumference of the big circle to the small circle?
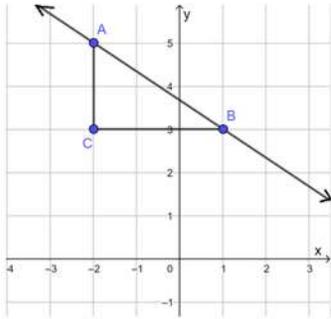
○ $\frac{5}{2}$

○ $\frac{2}{5}$

○ 2

○ 5

13

The two rectangles below are similar. Find the area of the small rectangle.

20 cm | A = 300 cm²   8 cm

○ 240 cm²

○ 48 cm²

○ 120 cm²

○ 150 cm²

14

Find the numeric value of the slope represented by the slope triangle.

- ○ $\dfrac{3}{2}$

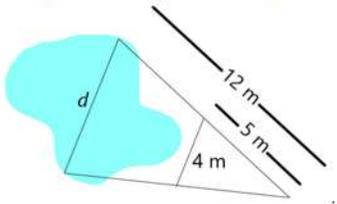- ○ $-\dfrac{3}{2}$

- ○ $-\dfrac{2}{3}$

- ○ $\dfrac{2}{3}$

15

Use the similar triangles below to find the distance d across the pond.
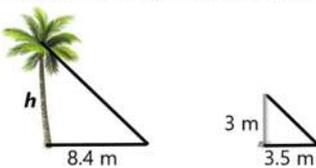

- ○ 19.2 m

- ○ 14 m

- ○ 9.6 m

- ○ 15 m

16

Use the similar triangles below to find the height of the tree.

- ○ 9.8 m
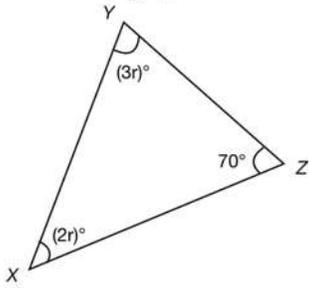
- ○ 14 m

- ○ 7.2 m

- ○ 14.4 m

17

In the following figure, find the value of *r*
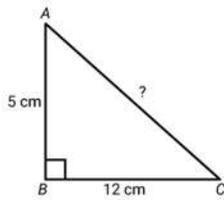

○ *r* = 22

○ *r* = 66

○ *r* = 110

○ *r* = 33

18

What is the length of the missing side in the given triangle?

○ 13 cm

○ 7 cm

○ 10 cm

○ 17 cm

19

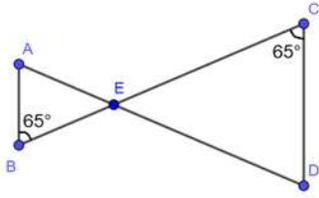Which of the following measures can form a right triangle?

○ 16 cm , 18 cm , 26 cm

○ 3 cm, 4 cm, 2 cm

○ 2 cm, 4 cm, 5 cm

○ 12 cm, 16 cm, 20 cm

20

Lines *BC* and *AD* intersect at *E*. Determine whether the triangles are similar. If so, write a similarity statement.

○ Similar, *AEB* ~ *CED*

○ Similar, *AEB* ~ *CDE*

○ Similar, *AEB* ~ *DEC*
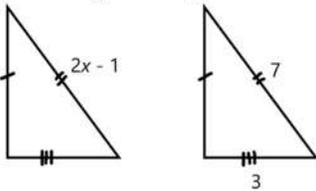
○ Not similar

21

The two rectangles are similar. Find the value of *x*.

○ 2.5 m

○ 3.5 m

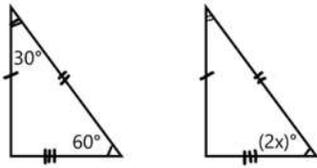○ 4 m

○ 3 m

22

The two triangles are congruent. Find the value of *x*.
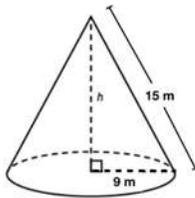

○ 2

○ 5

○ 4

○ 3

23

The two triangles are congruent. Find the value of *x*.

○ 15

○ 30

○ 60

○ 45

24

What is the height of the following cone?

○ $h = 18$ cm

○ $h = 13$ cm

○ $h = 9$ m

○ $h = 12$ cm

25

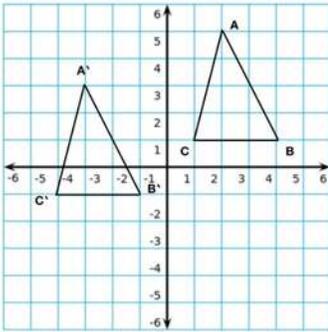What will be the new position of the point (-3, 5) after a translation of 2 units right and 4 units up?

○ (1,7)

○ (−1, 9)

○ (−9, 1)

○ (5, 1)

26

Use the Distance Formula to find the distance between the points *A*(2, 3) and *B*(5, 7)

○ 3

○ 7

○ 4

○ 5

What is the translation that maps traingle *ABC* onto *A'B'C* ?

○ $(x+2, y-5)$

○ $(x-5, y+2)$

○ $(x+5, y+2)$

○ $(x-5, y-2)$

What are the new coordinates of A (3, 5) of the triangle *ABC* after reflection over the *y*-axis?

○ (3,5)

○ (-3 , 5)

○ (5, - 3)

○ (-3, - 5)

A point is rotated about the origin. The coordinates of the point changed from (2, − 6) to (− 6, − 2). The point is rotated _____

○ 90° counterclockwise

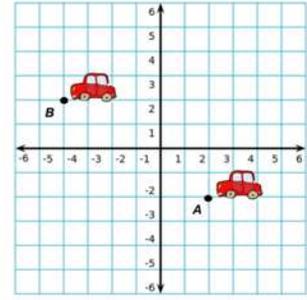○ 270° counterclockwise

○ 180° counterclockwise

○ 270° clockwise

30

Use the image at the right to find the translation of the car and point A to point B.

○ $(x-6, y+4)$

○ $(x-6, y-4)$

○ $(x+6, y-4)$

○ $(x+4, y-6)$

31

Find the volume of a sphere with a radius of 3 meters. Round to the nearest tenth.

○ 339.3 m^3

○ 36.5 m^3

○ 47 m^3

○ 113.1 m^3

END