الملف أوراق عمل مراجعة شاملة

موقع المناهج ⇐ المناهج الإماراتية ⇐ الصف الثامن ⇐ رياضيات ⇐ 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 الـتـسـامـح

Grade 8 Mathematics

Term 2 Revision

Mr.Ahmed Ahmed

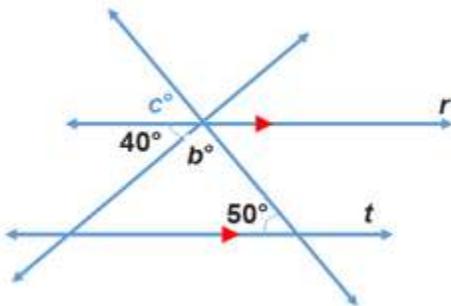**1-**

What is the sum of the interior angle measures of pentagon *ABCDE?*
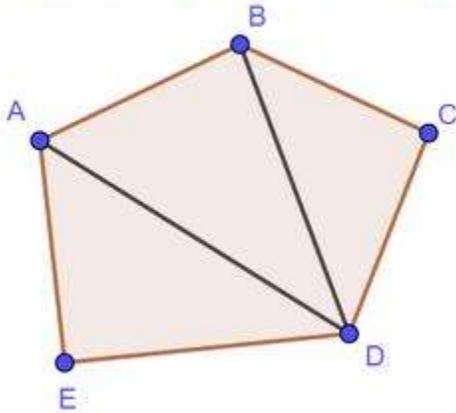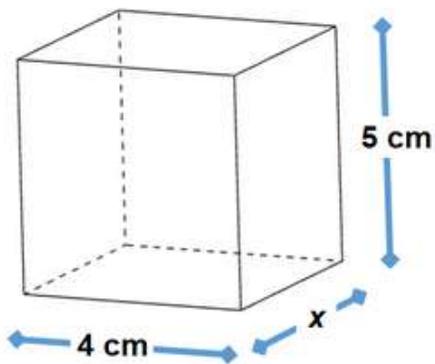

2-

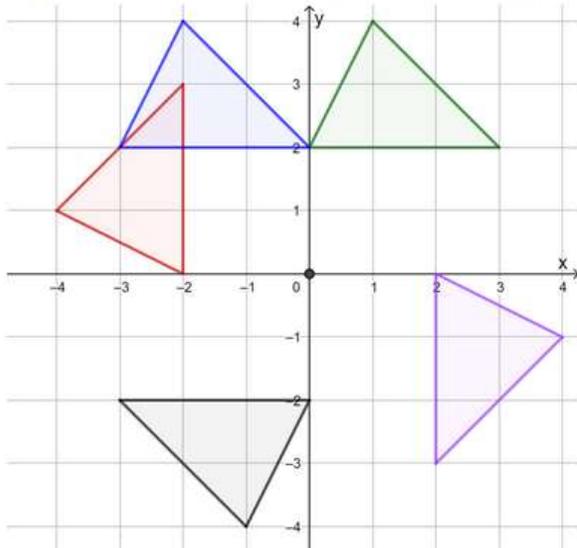Lines *r* and *t* are parallel. What is the value of *b?*

3-

The volume of the rectangular prism below is 60 cm^3. Find the value of *x.*

4-

Which of the figures shows a rotation of the green triangle 90° clockwise about the origin?
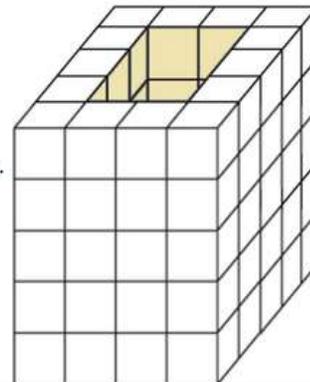

- ○ purple
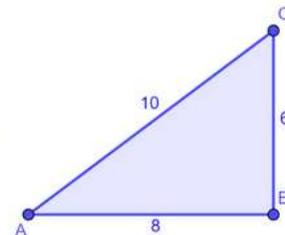- ○ gray
- ○ red
- ○ blue

5-

The figure on the right shows a rectangular prism made out of cubes.
There is hole that goes all the way to the bottom of the prism.
How many cubes are needed to fill the hole inside of the prism?

6-

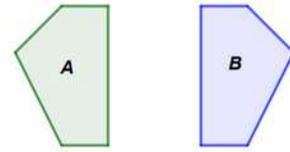Which of the following is used to show that triangle *ABC* is a right triangle?
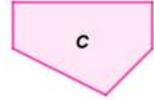

- ○ $6 + 8 > 10$
- ○ $6 + 8 = 10 + 4$
- ○ $6^2 + 8^2 = 10^2$
- ○ $(6 + 8)^2 = 14^2$

7-

Describe the sequence of transformations that maps figure *A* onto figure *B* then onto figure *C*.

○ Reflection then rotation 90° ($\frac{1}{4}$ *turn*) clockwise

○ Translation then rotation 90° ($\frac{1}{4}$ *turn*) clockwise

○ Reflection then rotation 180° ($\frac{1}{2}$ *turn*)

○ Reflection then translation

8-

The table on the right shows the length of the shadow of 4 plants with different heights at the same time of the day.
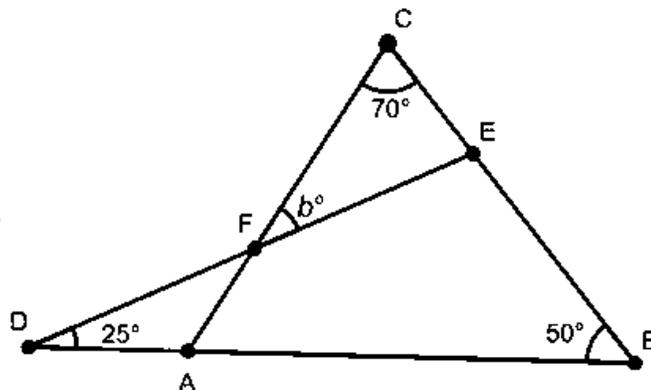
Find the height of the plant that casts a shadow of 90 centimeters at the same time of the day.

Height(cm)	Shadow(cm)
20	30
30	45
40	60

○ 70 cm

○ 60 cm

○ 80 cm

○ 72 cm

9-

Find the value of *b*.

10-

Lines *t* and *s* are parallel.
Find the value of *x*.

50°

(2x)°

t

s
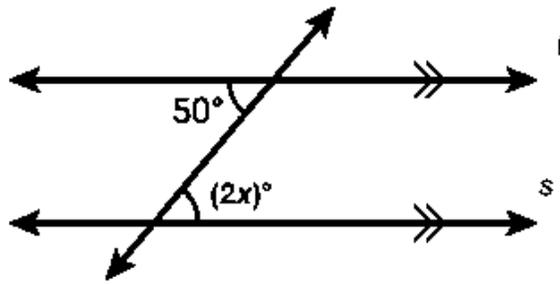
11-

Complete the statement.
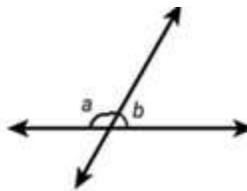Angles *a* and *b* form a linear pair so they are_____

a *b*
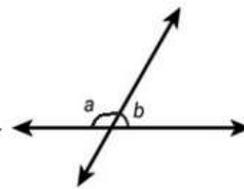
○ congruent

○ non-adjacent

○ complementary

○ supplementary

12-

Complete the statement.
Angles *a* and *b* form a linear pair so they are_____

a *b*

○ congruent

○ non-adjacent

○ complementary

○ supplementary
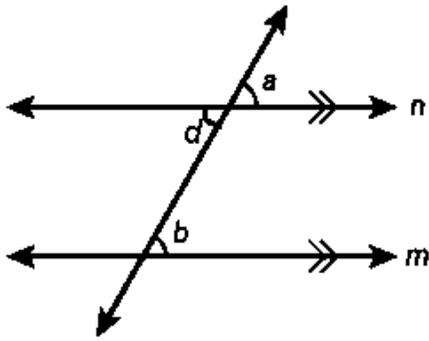
13-

Two parallel lines *m* and *n* are cut by a transversal.

Find the reason for the statement:

$\angle d \cong \angle a$

○ Alternate exterior angles theorem

○ Corresponding angles postulate

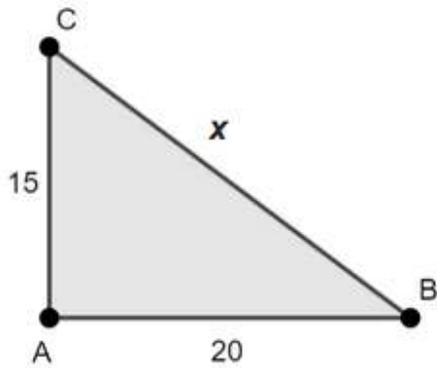○ Vertical angles theorem

○ Alternate interior angles theorem

14-

Find the measure of an exterior angle of a regular hexagon.
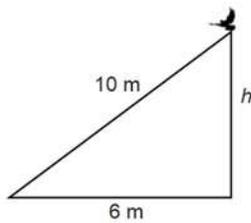
○ 360°

○ 120°

○ 180°

○ 60°

15-

Triangle *ABC* is right at *A*. Find the value of *x*.

16-

The triangle shown is a right triangle. Write an equation that can be used to find the height of the bird. Then solve.

17-

Use the distance formula to find the distance between $A(4, -3)$ and $B(-2, 3)$. Round to the nearest tenth if necessary.
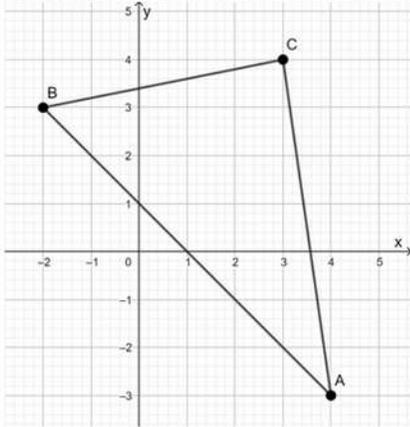
○ 4.9

○ 6.0

○ 12.0

○ 8.5

18-

$\triangle ABC \cong \triangle DEF$, and $m\angle B = 50°$. Find the measure of $\angle E$.
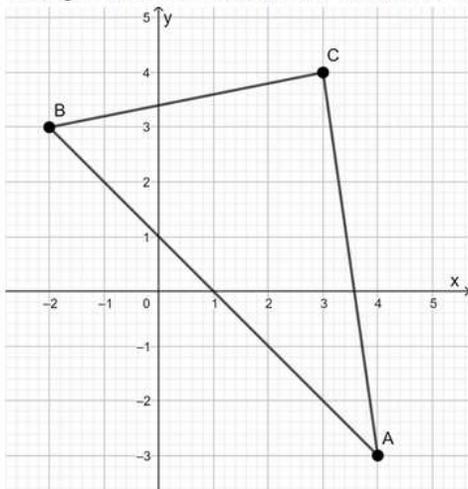
19-

Triangle *ABC* is translated 3 units to the right and 5 units down to obtain triangle *A'B'C'*. Find the coordinates of *A'*.
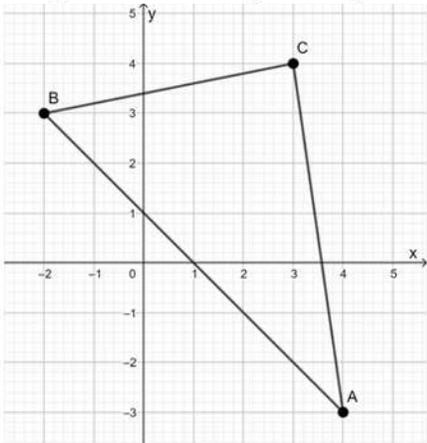

○ (7, −8)

○ (4, 2)

○ (4, −8)

○ (7, 2)

20-

Triangle *ABC* is reflected over the *x*-axis to obtain triangle *A'B'C'*. Find the coordinates of *B'*.

○ (2, −3)

○ (−2, −3)

○ (2, 3)

○ (−2, 3)

21-

Triangle *A'B'C'* is the image of triangle *ABC* after a dilation with a scale factor of 3. Find the coordinates of *C'*.

- ○ (9, 12)
- ○ (−3, −4)
- ○ (6, 7)
- ○ (−3, 4)

22-

△ *ABC* ≅ △*DEF*, *AB* = 6, *BC* = 5 and *AC* = 10. Find *DE*.
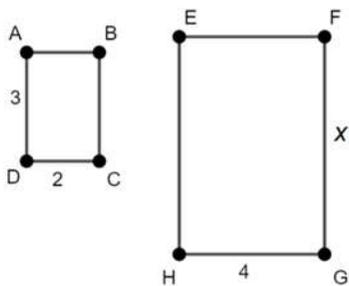
- ○ 6
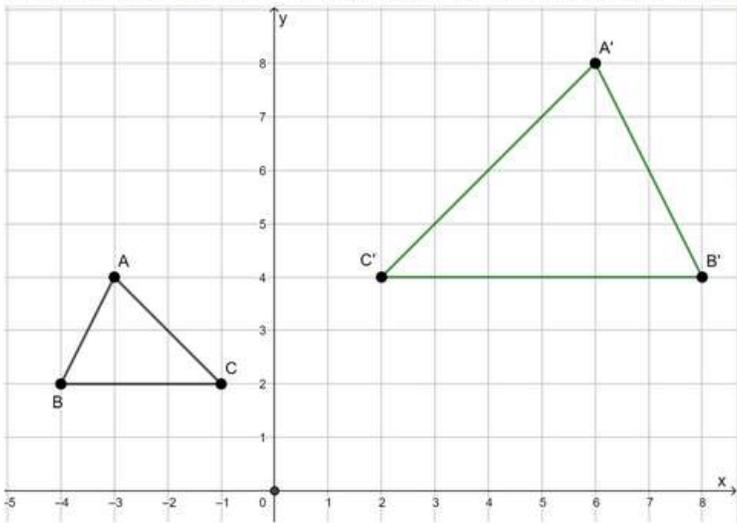- ○ 12
- ○ 10
- ○ 5

23-

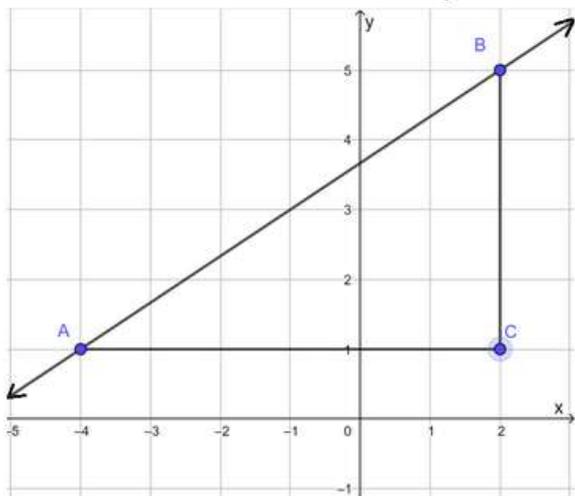Rectangle *ABCD* is similar to rectangle *EFGH*. Find the value of *x*.

24-

Describe a sequence of transformations that maps triangle *ABC* onto triangle *A'B'C'*.

- ○ translation then dilation

- ○ Translation then rotation

- ○ Reflection over the *x*-axis then rotation

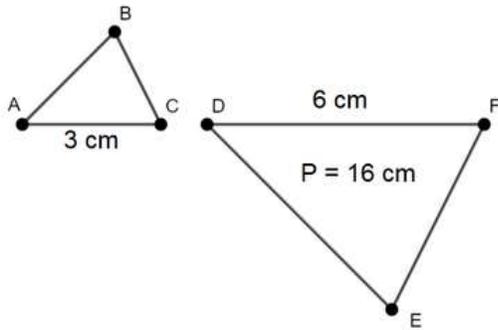- ○ Reflection over the *y*-axis then dilation

25-

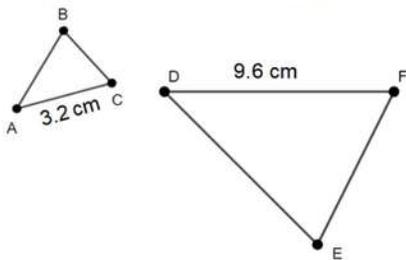Find the numeric value of the slope shown by the slope triangle.

26-

Triangle *ABC* is similar to triangle *DEF*. Find the perimeter of triangle *ABC*.
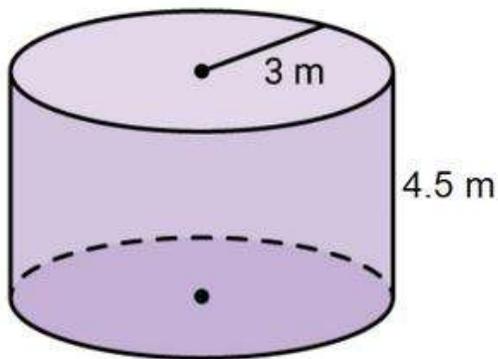

27-

Triangle *ABC* is similar to triangle *DEF*. The area of triangle *ABC* is 6.4 cm^2. Find the area of triangle *DEF*.

28-

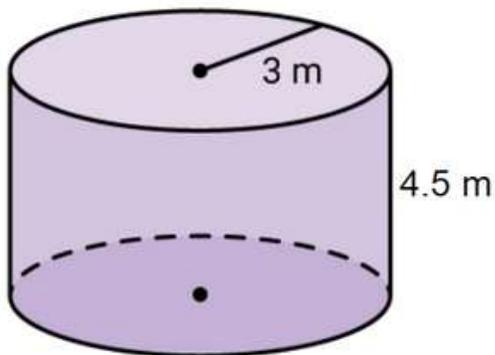Find the volume of the cylinder below. Round to the nearest tenth.

29-

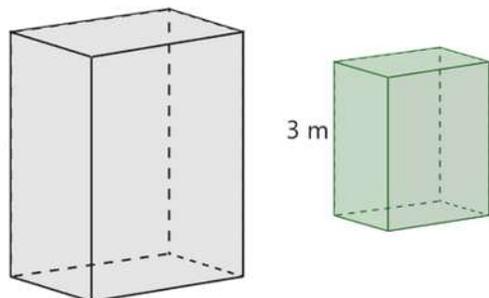Find the volume of the sphere below. Round to the nearest tenth.

3 cm

30-

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

3 m

4.5 m

31-

The two rectangular prisms are similar.
Find the volume of the green prism if the volume of the gray prism is 24 m³.

4 m

3 m

END