

تم تحميل هذا الملف من موقع المناهج الإماراتية



الملف أوراق عمل درس الزوايا المتممة والمكملة Angles Supplementary and Complementary

[موقع المناهج](#) ← [المناهج الإماراتية](#) ← [الصف السابع](#) ← [رياضيات](#) ← [الفصل الثالث](#)

روابط مواقع التواصل الاجتماعي بحسب الصف السابع



روابط مواد الصف السابع على تلغرام

[الرياضيات](#)

[اللغة الانجليزية](#)

[اللغة العربية](#)

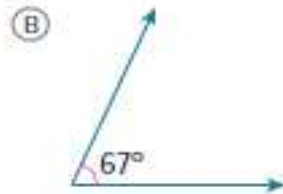
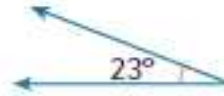
[التربية الاسلامية](#)

المزيد من الملفات بحسب الصف السابع والمادة رياضيات في الفصل الثالث

<a href="#">امتحان نهاية العام 2012 مع نموذج الاحابة</a>	1
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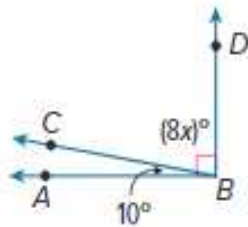
**Check**

Select the angle that is complementary to the given angle.



**Check**

Write and solve an equation to find the value of  $x$ .



**Part A** Write an equation.

**Part B** Solve the equation.

**Check**

What is the angle measure of the angle that is supplementary to the given angle?



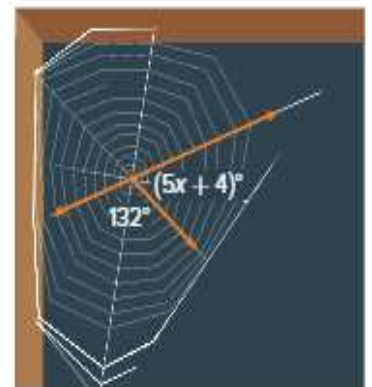
**Check**

Write and solve an equation to find the value of  $x$ .

**Part A** Write an equation.

**Part B** Solve the equation.

$x =$  \_\_\_\_\_



**Check**

In the winter, a solar panel is set with the angles shown. In the summer, the measure of angle  $x$  is reduced by about 46.2%. What is the new measure of the angle in the summer? Round to the nearest degree.

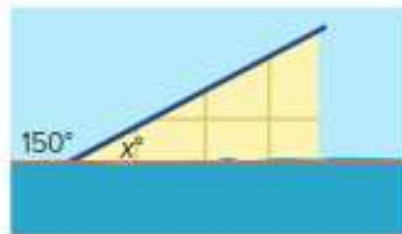


The new measure of angle  $x$  is about \_\_\_\_\_.

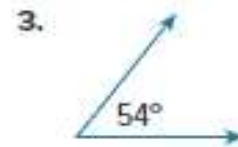
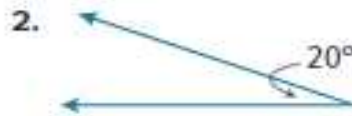
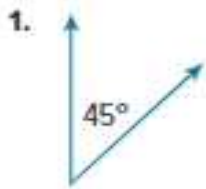
**Test Practice**

**13. Equation Editor** An adjustable water ski ramp is set at the angles shown. An instructor wants to decrease angle  $x$  by 8%. What is the new measure of the angle, to the nearest tenth of a degree?

←	→	↶	↷	⌫
1	2	3		
4	5	6		
7	8	9		
0	.	-		



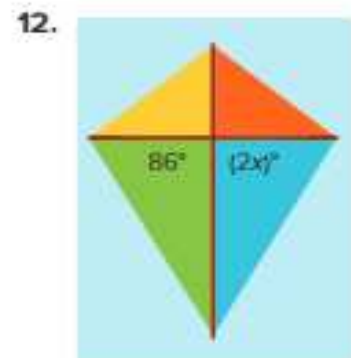
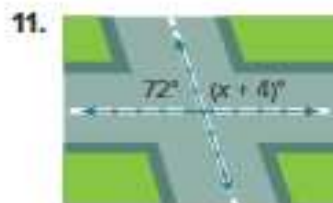
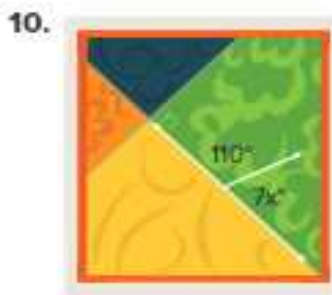
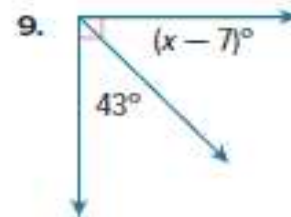
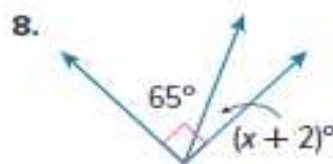
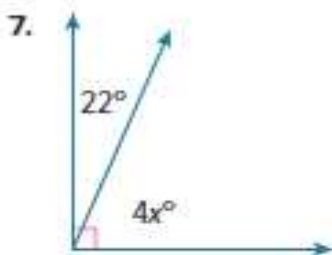
Give the measure of the angle that is complementary to the given angle. (Example 1)



Give the measure of the angle that is supplementary to the given angle. (Example 3)



Write and solve an equation to find the value of  $x$  in each figure . (Examples 2 and 4)

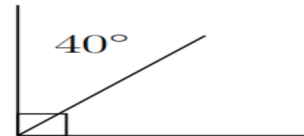


**Q. Two angles added together to produce 90 degrees**

- a) Supplementary
- b) Complementary
- c) Right
- d) Vertical

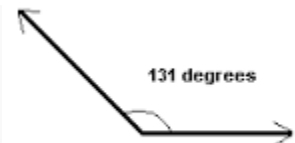
**Q. Find the missing angle.**

- a) 60
- b) 70
- c) 50
- d) 140



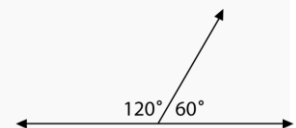
**Q. What type of angle is this?**

- a) acute
- b) obtuse
- c) right



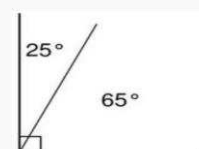
**Q. These angles are...**

- a) Complementary
- b) Supplementary
- c) Neither



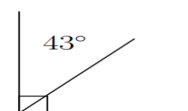
**Q. These angles are...**

- a) Complementary
- b) Supplementary
- c) Neither



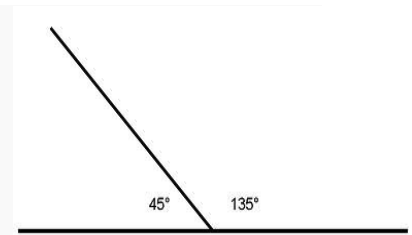
**Q. Find the missing angle.**

- a) 47
- b) 37
- c) 57
- d) 137



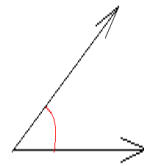
**Q. What kind of angles are shown? ( $45 + 135 = 180$ )**

- a) complementary
- b) supplementary
- c) adjacent
- d) corresponding



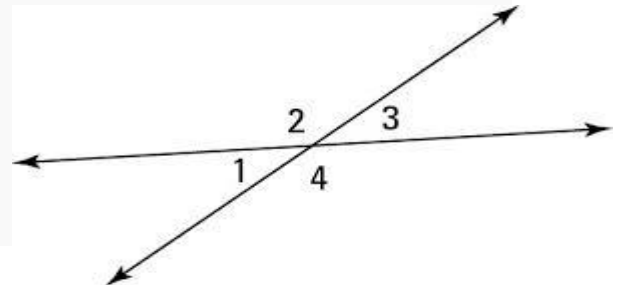
**Q. What type of angle is shown? (Less than 90 degrees)**

- a) acute
- b) obtuse
- c) right
- d) straight



**Q.  $\angle 1$  and  $\angle 3$  can best be described as - (opposite angles formed by intersecting lines.)**

- a) complementary angles
- b) supplementary angles
- c) vertical angles
- d) adjacent angles



**Q. What is the measure of the missing angle?**

- a) 76
- b) 66
- c) 156
- d) 154



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