

Angles Practice

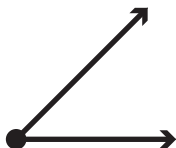
Name: _____

Date: _____

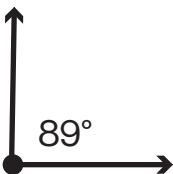
Question 1

Classify the angles

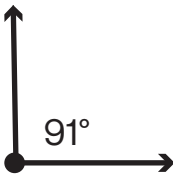
I.



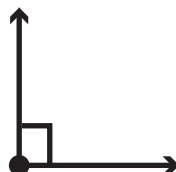
II.



III.



IV.



V.



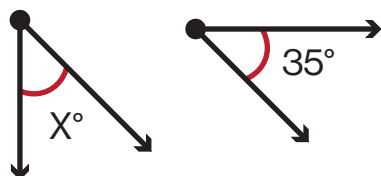
VI.



Question 2

Determine the unknown angle measurements

I.



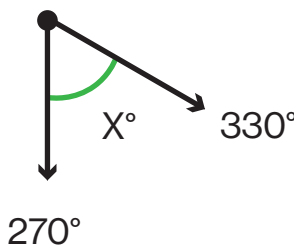
$X^\circ =$

II.



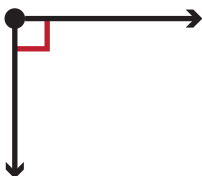
$X^\circ =$

III.



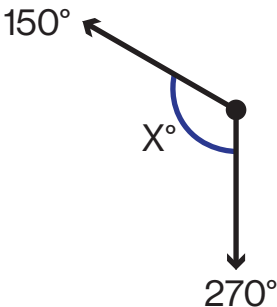
$X^\circ =$

IV.



$X^\circ =$

V.



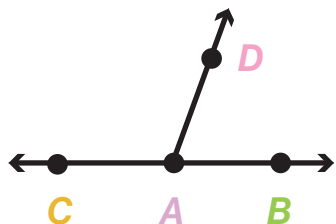
$X^\circ =$

Angles Practice

Question 3

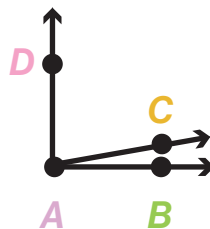
Solve using angle addition

I. $\angle BAD = 70^\circ$ $\angle CAD = 110^\circ$



$\angle CAB =$

II. $\angle BAD = 90^\circ$ $\angle CAB = 10^\circ$

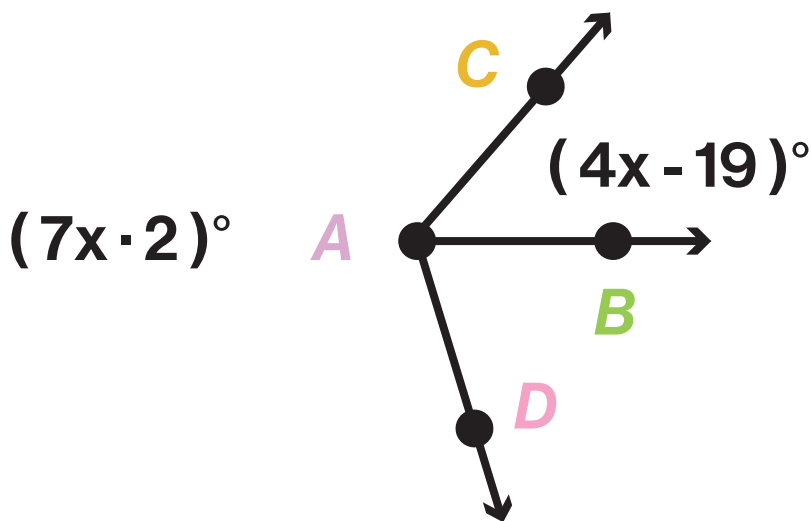


$\angle CAD =$

Question 4

Solve using angle addition

$\angle BAD = 287^\circ$



$\angle BAC =$

$\angle DAC =$

Angles Practice

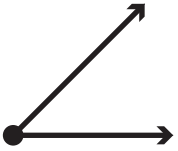
Name: _____ **Key** _____

Date: _____

Question 1

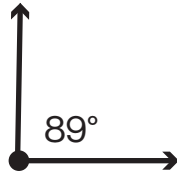
Classify the angles

I.



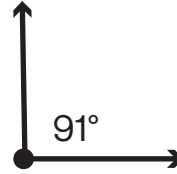
acute

II.



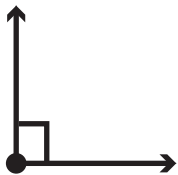
acute

III.



obtuse

IV.



right

V.



straight

VI.

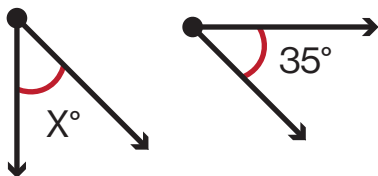


obtuse

Question 2

Determine the unknown angle measurements

I.



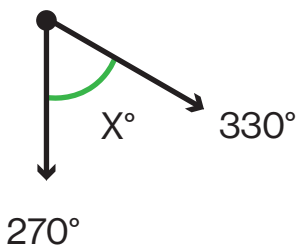
$$X^\circ = 35^\circ$$

II.



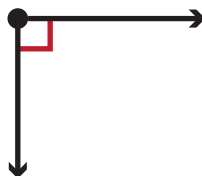
$$X^\circ = 170^\circ$$

III.



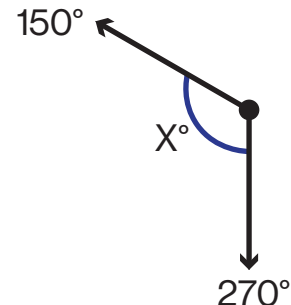
$$X^\circ = |270^\circ - 330^\circ| = 60^\circ$$

IV.



$$X^\circ = 90^\circ$$

V.



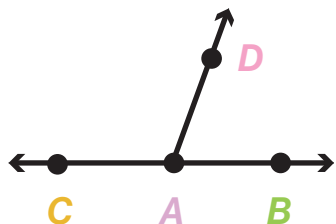
$$X^\circ = |150^\circ - 270^\circ| = 120^\circ$$

Angles Practice

Question 3

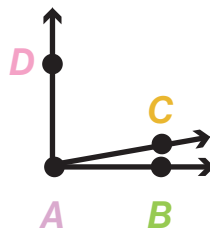
Solve using angle addition

I. $\angle BAD = 70^\circ$ $\angle CAD = 110^\circ$



$$\angle CAB = 70^\circ + 110^\circ = 180^\circ$$

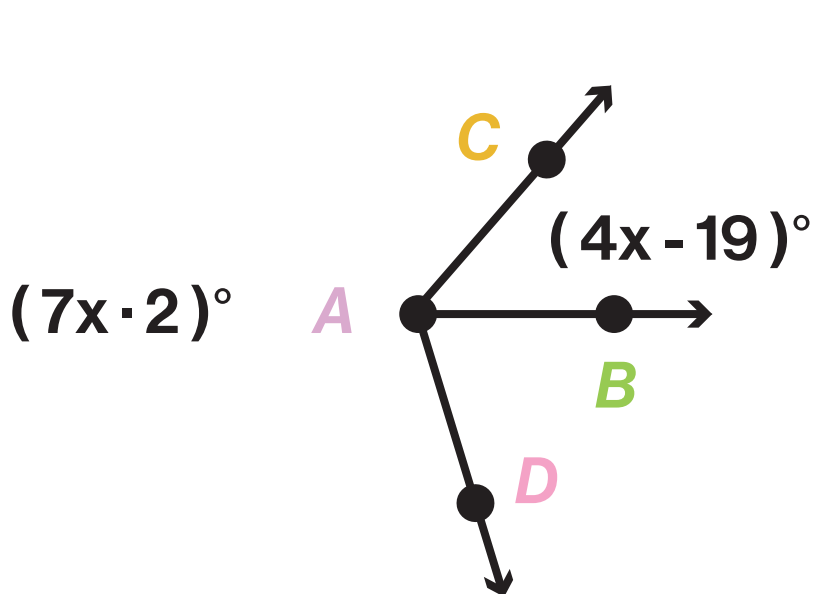
II. $\angle BAD = 90^\circ$ $\angle CAB = 10^\circ$



$$\angle CAD = 90^\circ - 10^\circ = 80^\circ$$

Question 4

Solve using angle addition



$$\angle BAD = 287^\circ$$

$$\angle BAC = (4(17) - 19)^\circ = 49^\circ$$

$$\angle DAC = (7(17) - 2)^\circ = 238^\circ$$

$$(7x - 2) + (4x - 19) = 287$$

$$14x + 4x - 19 = 287$$

$$18x - 19 = 287$$

$$18x = 306$$

$$x = 17$$