

Name _____ Period _____ Homework Date Pre AP HW Feb 21-28

Homework Grading Sheet

Fill in the information above the dotted line completely and accurately. Not completing this form and/or not grading papers correctly/honestly will result in a maximum grade of 50. *****If less than 50% of an assignment is completed, the grade will be calculated as the number of questions correct/total number of questions (i.e. $1/20 = 5\%$).**

1) Homework Completion: Number of problems not done _____

2) Homework Accuracy: Number of X's (problems missed out of those completed) _____

3) I do not have my homework to turn in because

(Teacher use Only)

Completion Points

5 pts: 100% completion

4.5 pts: 90 – 99% completion

4 pts: 80 – 89% completion

3 pts: 70 – 79% completion

2 pts: 60 – 69% completion

1 pt: 50 - 59% completion

0 pts: Less than 50% completed

Accuracy Points (for completion of 50% or more)

5 pts: 100% accuracy

4.5 pts: 90 – 99% accuracy

4 pts: 80 – 89% accuracy

3 pts: 70 – 79% accuracy

2 pts: 60 – 69% accuracy

1 pt: 59% and below accuracy

0 pts: No problems correct

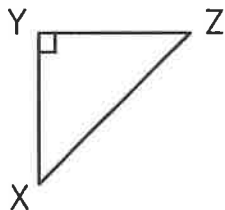
Points earned/10 points = _____/10pts = _____

Final Homework Grade

ANGLE RELATIONSHIPS & TRIANGLES

Answer each of the questions below. Be sure to show your thinking.

1. Determine which sides correspond with each angle in triangle ABC below.

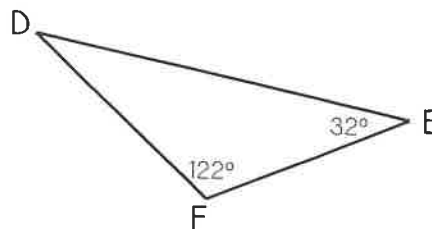


- a. angle XYZ corresponds with side length _____
b. angle ZXY corresponds with side length _____
c. angle YZX corresponds with side length _____

2. In triangle QRS, the measure of angle RSQ is 29.1° , and the measure of angle QRS is 80° . What is the measure of angle SQR?

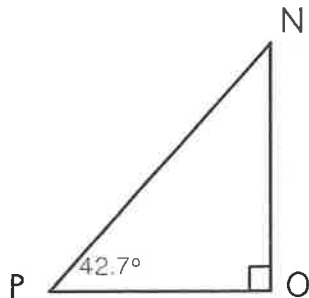
- A. 109.1°
B. 71.1°
C. 150.9°
D. 70.9°

3. Triangle DEF is shown below. What is the measure of $\angle D$?



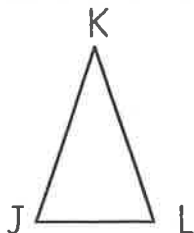
4. Triangle NOP is shown below. What is the measure of $\angle N$?

- A. 47.3°
B. 137.3°
C. 48.8°
D. 132.8°



5. In triangle EFG, the measure of angle E is 97° , and the measure of angle F is 15° . What is the measure of angle G?

6. Determine which angles correspond with each side in the triangle below.



- a. side length \overline{KL} corresponds with angle _____
b. side length \overline{LJ} corresponds with angle _____
c. side length \overline{JK} corresponds with angle _____

7. Determine if the measurements below will create a triangle. Then, explain your thinking.

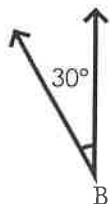
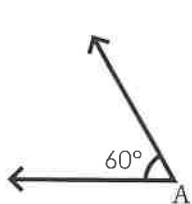
Side Length	does it FORM A triangle?	How do you know?
1. 7 cm, 8 cm, 9 cm		
2. 1.5 cm, 3 cm, 1.5 cm		
3. 4 in, 2 in, 8 in		

Name: _____

Complementary Angles

When the measurements of two angles are added together and the sum equals 90° , they are called **complementary angles**.

example:



$$\angle A = 60^\circ$$

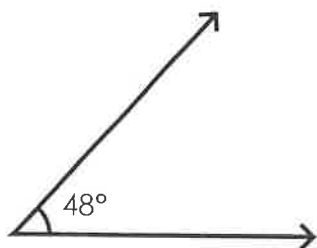
$$\angle B = 30^\circ$$

$$60^\circ + 30^\circ = 90^\circ$$

$\angle A$ and $\angle B$ are complementary angles.

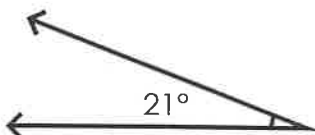
Find the complement to each angle.

a.



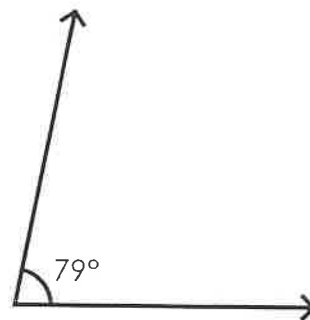
complementary angle: _____

b.



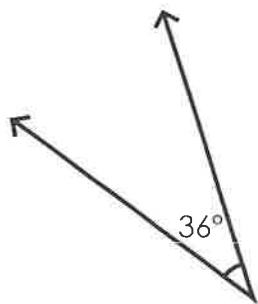
complementary angle: _____

c.



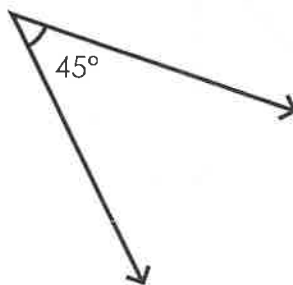
complementary angle: _____

d.



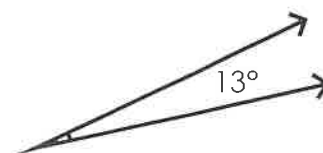
complementary angle: _____

e.



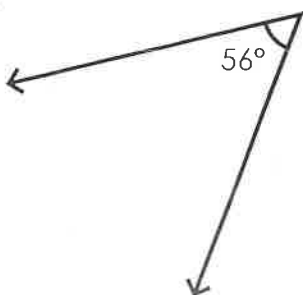
complementary angle: _____

f.



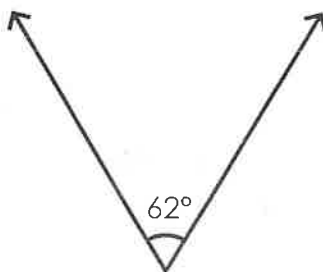
complementary angle: _____

g.



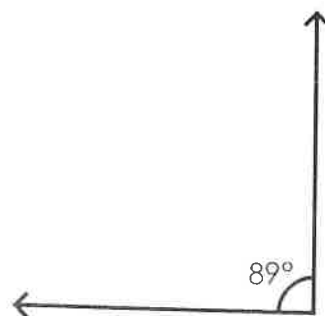
complementary angle: _____

h.



complementary angle: _____

i.



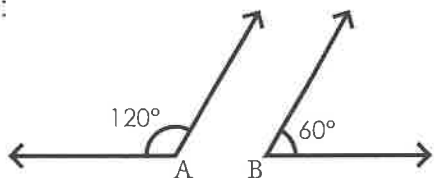
complementary angle: _____

Name: _____

Supplementary Angles

When the measurements of two angles are added together and the sum equals 180° , they are called **supplementary angles**.

example:



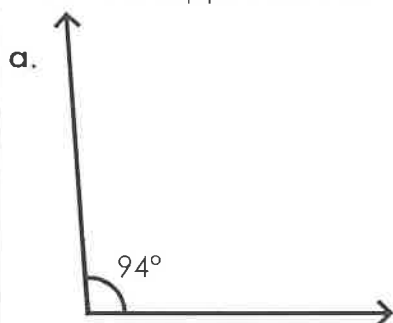
$$\angle A = 120^\circ$$

$$\angle B = 60^\circ$$

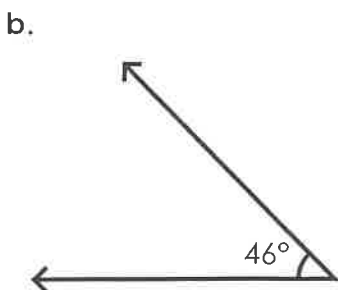
$$120^\circ + 60^\circ = 180^\circ$$

$\angle A$ and $\angle B$ are supplementary angles.

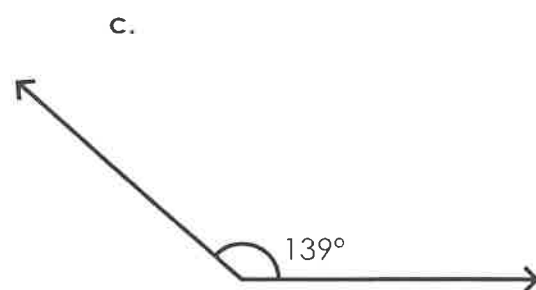
Find the supplement to each angle.



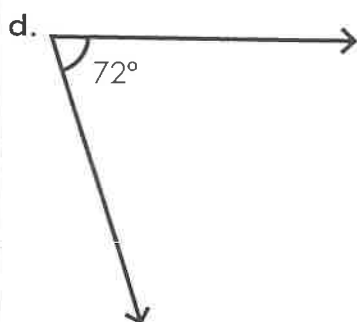
supplementary angle: _____



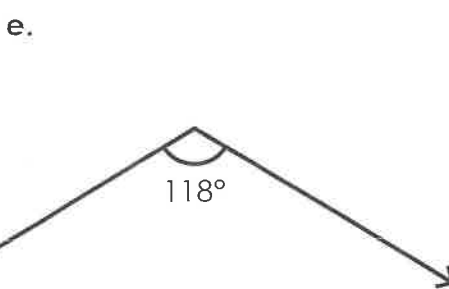
supplementary angle: _____



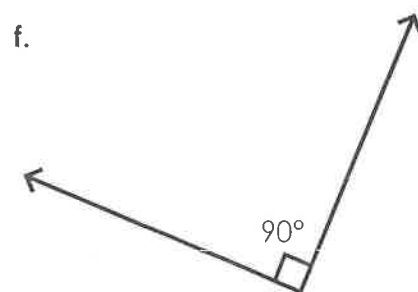
supplementary angle: _____



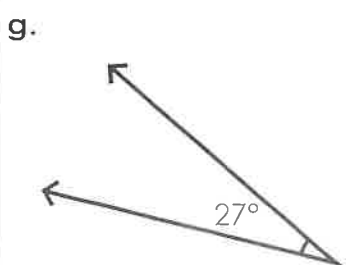
supplementary angle: _____



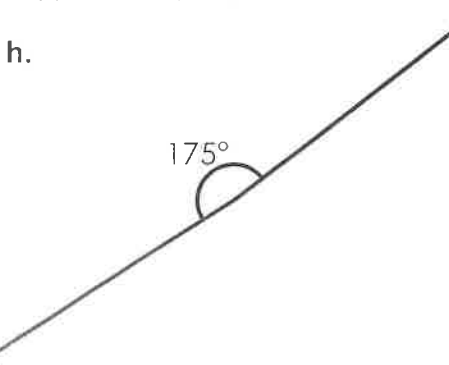
supplementary angle: _____



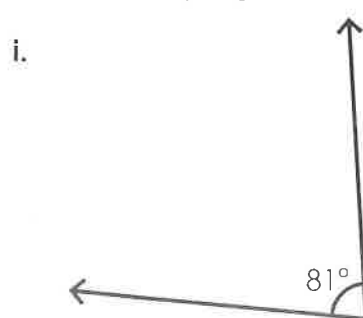
supplementary angle: _____



supplementary angle: _____



supplementary angle: _____



supplementary angle: _____

