Name:_____ Per:_____ Date:_____

Intro to Geometry HOMEWORK #4

DUE FRIDAY_____

Homework will be assigned every Friday and will be due the following Friday. *This gives you one full week (including a weekend) to complete the homework. There will be a short quiz on content covered in homework each Friday.* Please don't feel like you are alone in completing your homework. I am here and happy to help! The required sections of the homework should take you no more than 1.5 hours to complete. If it is taking longer, please come see me. *Challenge sections are optional.*

Please record how long it took you to complete each section of the homework in the table below.

Day of the Week	Required Problems	Optional Challenge	Completed?	Number of Minutes it took you to complete each section
Friday	1	2		
Monday	3-4	5		
Tuesday	6	7		
Wednesday	8	None ☺		
Thursday	9	10		

1. Identify whether each shape is or is not a polygon and explain why.

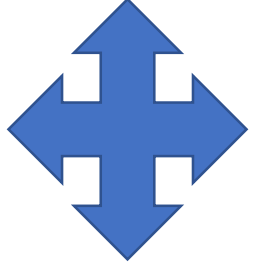|		
A.	B.	C.
D.	E.	F.

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2. Identify whether each shape is or is not a polygon and explain why.

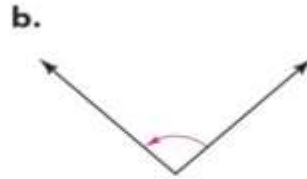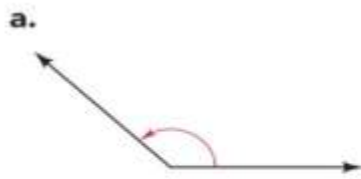| G.	H.	I.

3. Identify if each of the following angles are acute, obtuse, or right.

a.

b.

c.

d.

e.

f.
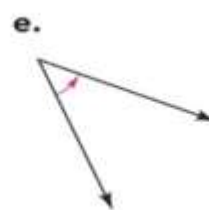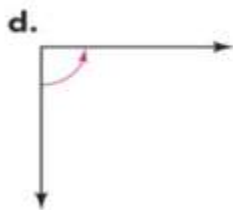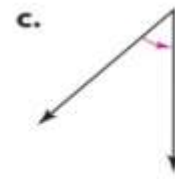
4. Name each of the angles below.

∠1: _____   ∠2: _____   ∠3: _____

∠4: _____   ∠5: _____   ∠6: _____
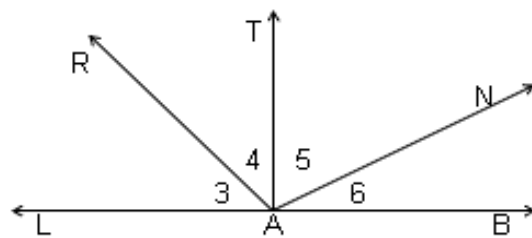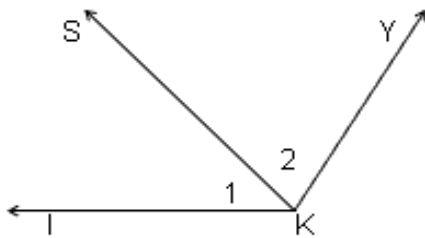
CHALLENGE

5. Name all angles in the provided image.
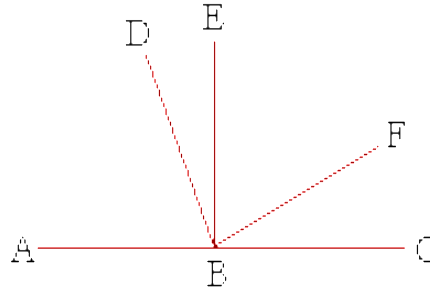
6. Identify the angle measures on the following protractors.
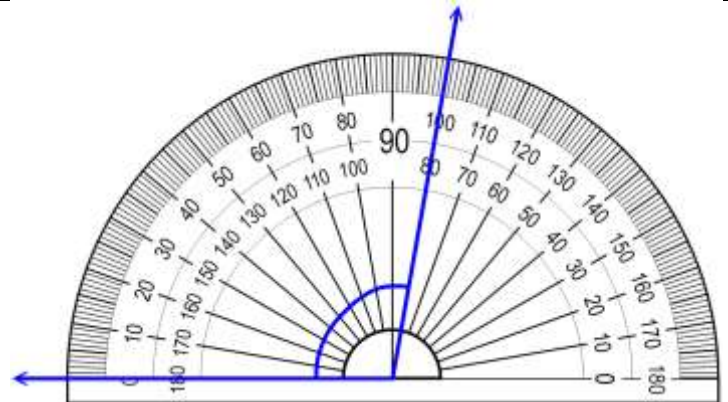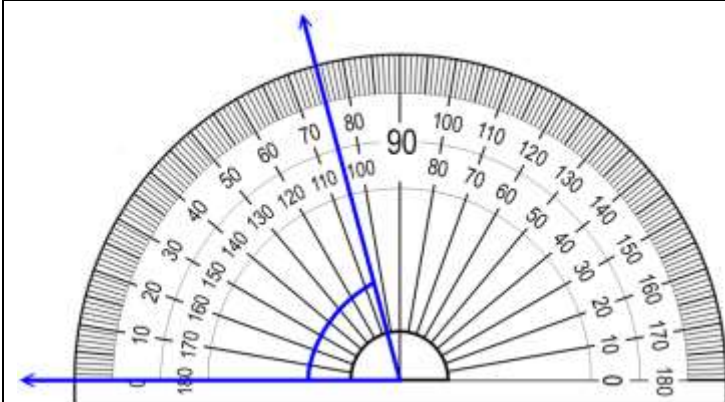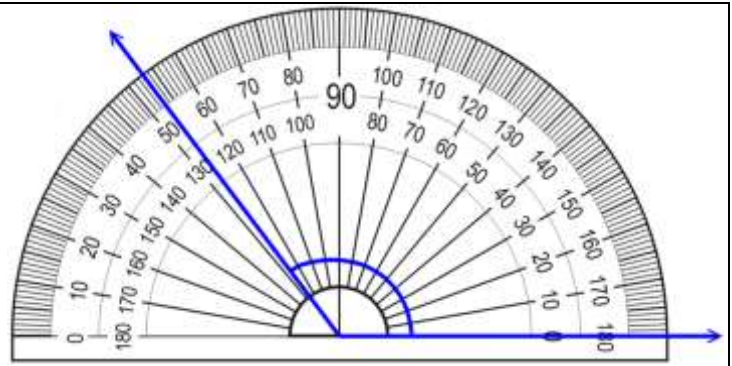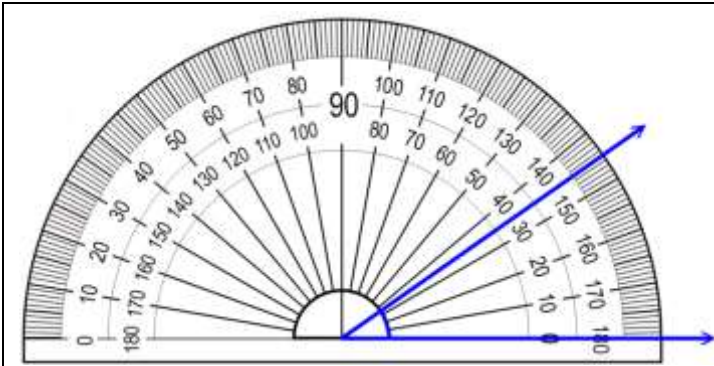
Draw a ∠97° on the protractor above.
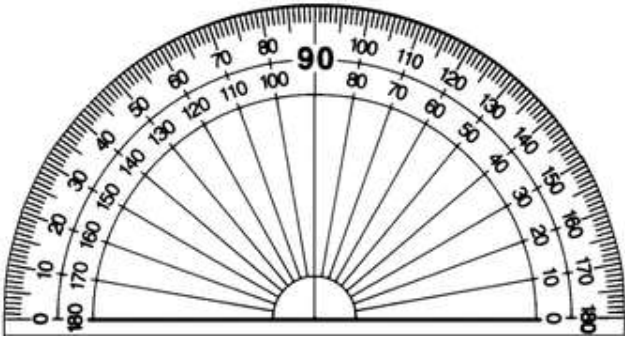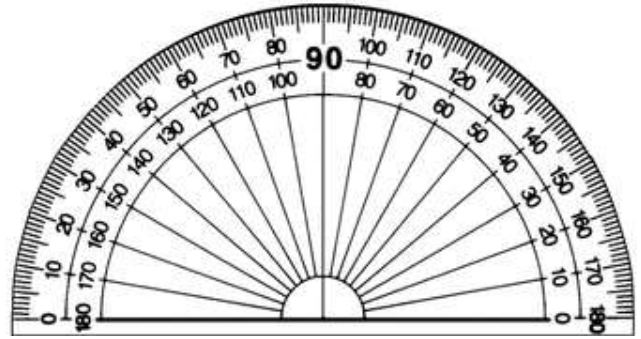

Draw a ∠145° on the protractor above.

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7. Identify the angle measures on the following protractors.
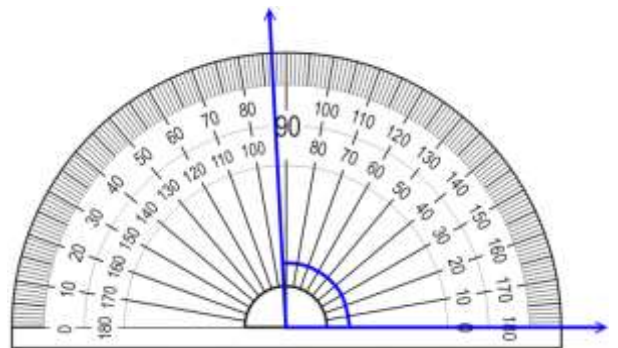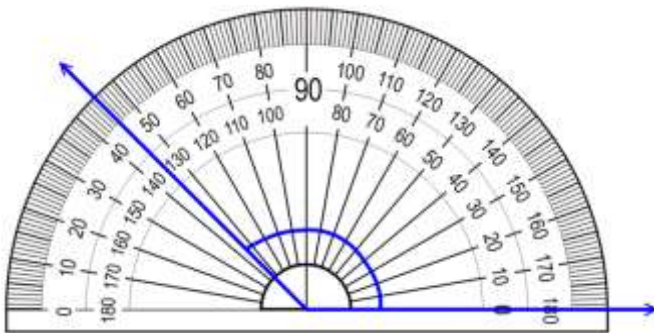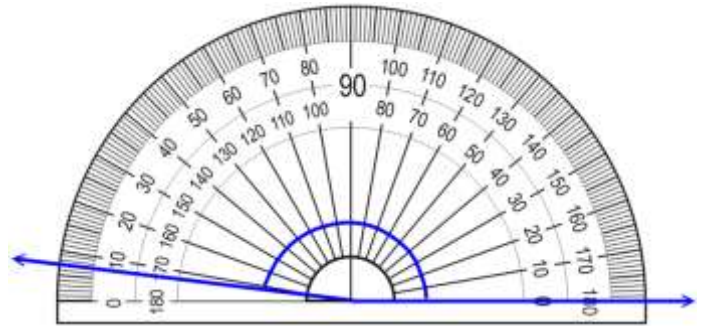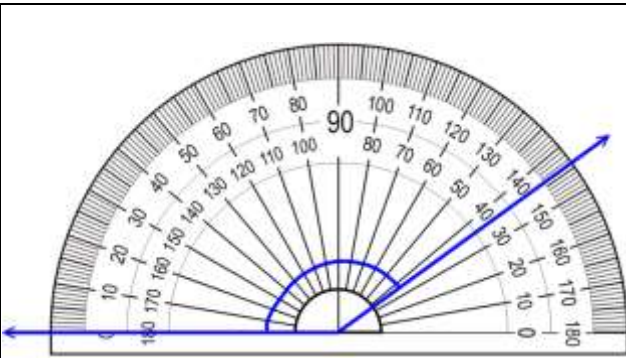
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8. Decide if each of the following angles are closer to 30º, 60º, 90º, 120º, 150º, 180º, 270º, or 360º.

a.

b.

c.

d.

e.

f.

g.

h.

9. Determine if the following dimensions would make a triangle and then draw the triangle using the provided dimensions.

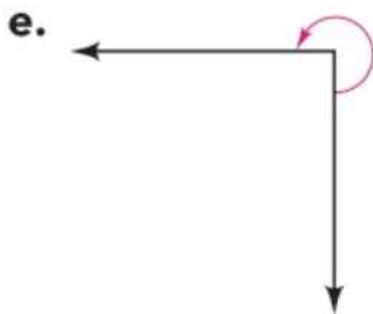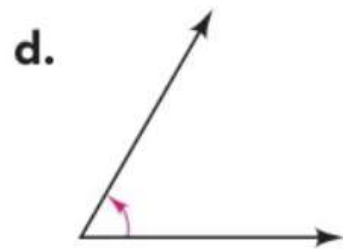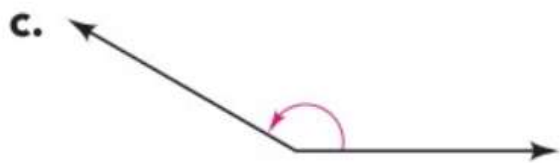| Side A: 7cm Side B: 5cm Side C: 10cm	Side A: 10cm Side B: 7cm Side C: 2cm
Explain:	Explain:
Draw the triangle using the correct dimensions:	Draw the triangle using the correct dimensions:

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CHALLENGE

10. Determine if the following dimensions would make a triangle and then draw the triangle using the provided dimensions.

Side A: 15cm Side B: 8cm Side C: 20cm	Side A: 3cm Side B: 6cm Side C: 9cm
Explain:	Explain:
Draw the triangle using the correct dimensions:	Draw the triangle using the correct dimensions: