Name:_____ Block:_____ Date:_____

AWM10 **Ch. 5 Practice Test** Practice Test

(33 marks)

Choose the best response to each of the following questions: (1 mark each)

1. The measure of a given angle is 112°. What type of angle is it?

2. If Shawn cuts a rectangular tile diagonally, one of the acute angles formed is 75°. What is the size of the other angle?

3. What would be the best estimate of the size of this angle:

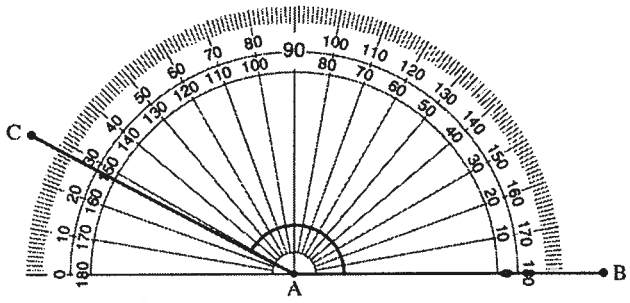
a. 120.5°
b. 86°
c. 178°
d. 152°

a.

4. A 52° angle is bisected. What is the measure of one of the resulting angle?

5. What is the measure of ∠ BAC

a) 28°
b) 152°
c) 150°
d) 32°

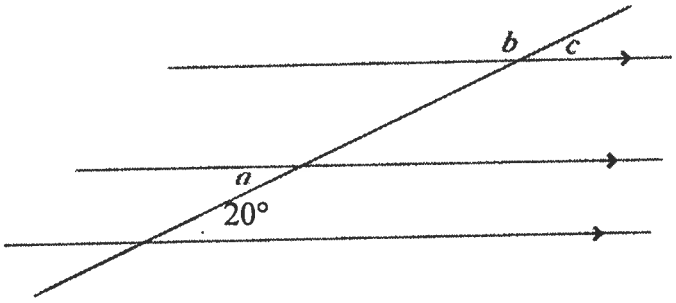


6. Rank the following angles having the greatest to smallest measure.

a

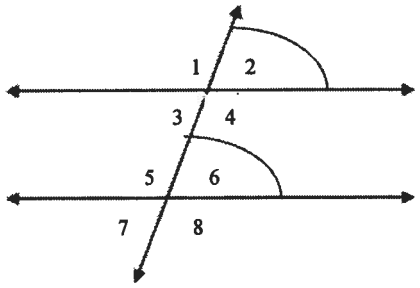
I.	acute
II.	obtuse
III.	reflex
IV.	right
V.	straight

7. In the diagram below what are the measures of ∠ a, ∠ b, and ∠ c?



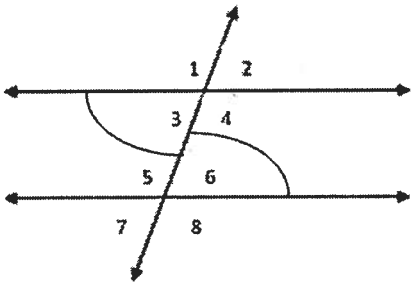
8. What types of angles are shown in the diagram?

a) Alternate interior
b) Corresponding
c) Interior
d) Alternate Exterior



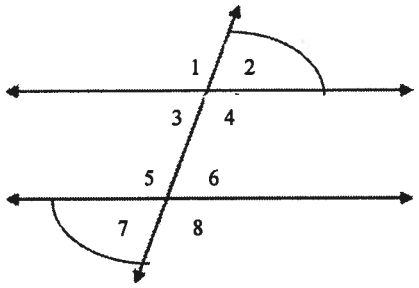
9. What types of angles are shown in the diagram?

a) Alternate interior
b) Corresponding
c) Interior
d) Exterior



10. What types of angles are shown in the diagram?

a) Alternate interior
b) Corresponding
c) Alternate exterior
d) Exterior

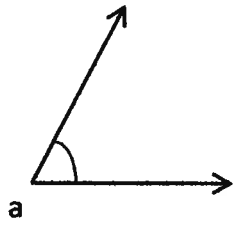


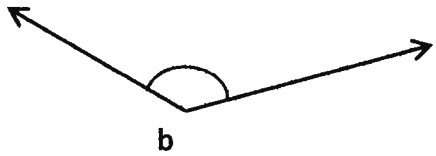
Part B—short answer section; please show all your work for full marks

1. Please fill in the following chart (1/2 mark each)

Angle	Compliment	Supplement	Bisected Angle
38^0			
	12°		
	N/A	79°	
			22°

2. Please measure the following angles with your protractor (1 mark each)





$\angle a =$ _____ $\angle b =$ _____

3. The compliment of an angle is 62°, what is the size of the original angle?

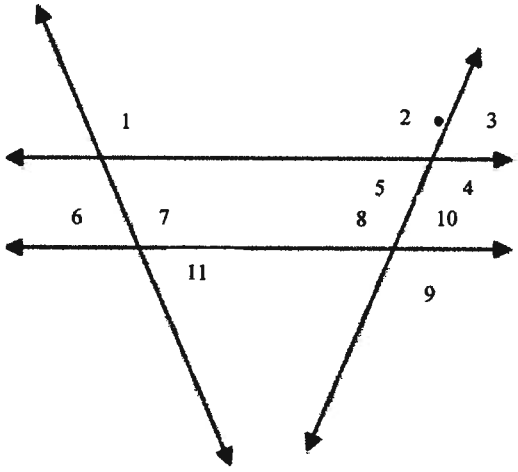
4. Given the diagram below identify the following angles:

a) a vertically opposite angle to $\angle 8$

b) an interior angle on the same side of the transversal as $\angle 4$

c) an alternate interior angle to $\angle 10$

d) an exterior angle on the same side of the transversal as $\angle 1$



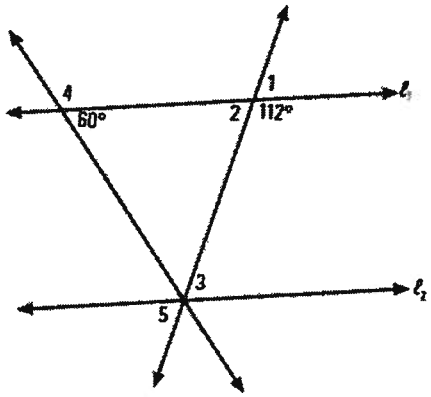
5. l_1 and l_2 are parallel lines. Find all of the missing angles and state the reason for your answer.

∠ 1 =_____ reason:_____

∠ 2=_____ reason:_____

∠ 3 =_____ reason:_____

∠ 4 =_____ reason:_____



6. Find all of the angles in the diagram below and state why you chose that angle.

∠ a=_____ reason:_____

∠ b=_____ reason:_____

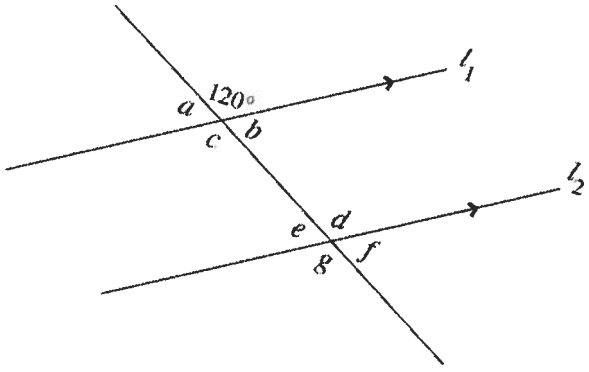
∠ c=_____ reason:_____

∠ d=_____ reason:_____

∠ e=_____ reason:_____

∠ f=_____ reason:_____

∠ g=_____ reason:_____



7. A boat is travelling to a party 29° North of straight west. What is the true bearing?