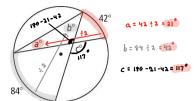
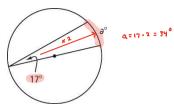
Directions: Find the value of each variable. For each circle, the dot represents the center.

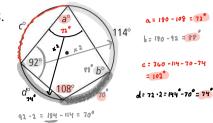
1.



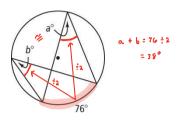
2.

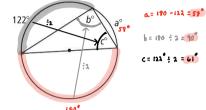


3.

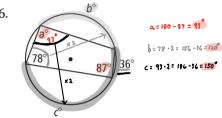


4.



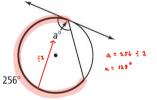


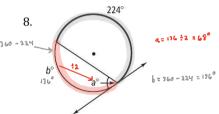
6.

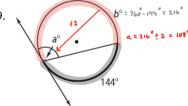


Directions: Find the value of each variable. Lines that appear to be tangent are tangent.

7.



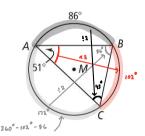




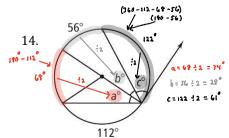
Directions: Find each indicated measure for \bigcirc *M*.

12.
$$\widehat{mBC} = 102^{\circ}$$

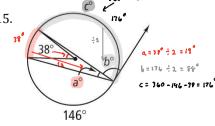
13.
$$\widehat{mAC} = 172^{\circ}$$



Directions: Find the value of each variable. For each circle, the dot represents the center.



15.

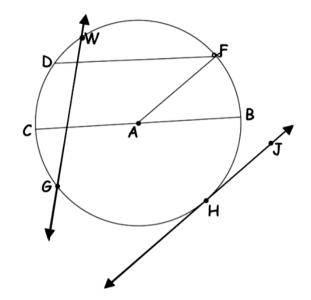


16. c= 76 + 2 = 38"

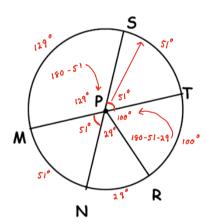
Math 3 Unit 6 Day 8 HW

Name:_____ Date:__

Definitions, Angle, Arc Worksheet



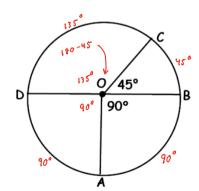
- For CIRCLE A Identify the following:
- 1. AB Radius
- 2. DF Chord
- 3. WG Secont
- 4. HJ Tangent
- 5. point H Point of Tangency
- 6. CB Diameter / Chord
- 7. point A Center
- 8. Circle P with m \angle NPR = 29° and m \angle SPT = 51° Determine the degree of each arc and the type (major, minor, semi-circle).



- a) m NR = ___ 29
 - ___ type ___Minor
- b) m ST = 51° type Minor
- 2600 c) m TSR = ____

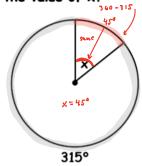
- d) m MST = 180 type Semi ~ Circle
- 9 12 refer to \odot 0. Find the measure of each arc.

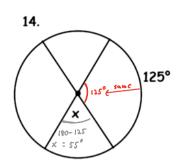
- 11. m AC 135° 12. m ADC 225°

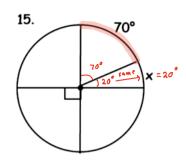


Find the value of x.

13.

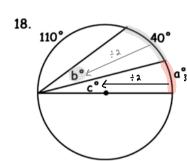




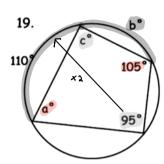


16. At ten o'clock the hands of a clock form an angle of ______degrees

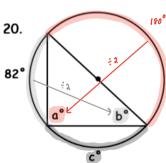
17. At seven o'clock the hands of a clock form an angle of _____degrees.



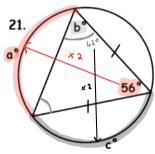
 $a = \frac{30^{\circ}}{30^{\circ}}$ $b = 20^{\circ}$



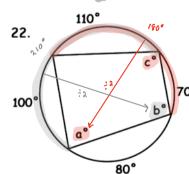
Q = 75° 45.2 = 140 - 110



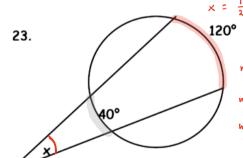
a = 90°



a = _________



$$b = 105^{\circ}$$

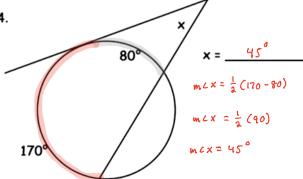


 $x = \frac{1}{2}(LA - SA)$

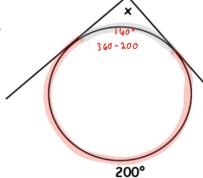
$$x = \frac{10}{100}$$
 $m \le x = \frac{1}{2}(120 - 40)$

$$m < x = \frac{1}{2} (80)$$

24.



25.



m < x = 1 (200 - 160)

$$m \le x = \frac{1}{2} (40)$$