

Учредительские документы.

	10А	10Б
1	1	16
2	2	15
3	3	14
4	4	20
5	5	9
6	6	1
7	7	7
8	8	19
9	9	4
10	10	11
11	11	17
12	12	6
13	13	13
14	14	8
15	15	10
16	16	3
17	17	2
18	18	5
19	19	12
20	20	18

IDA

$$1. 360 - 118 = \frac{242}{2} = \boxed{121^\circ}$$

$$2. X = \frac{1}{2}(85 + 145) = \boxed{115^\circ}$$

$$3. \angle MJL + \angle MKL \\ \angle JMK + \angle JLK$$

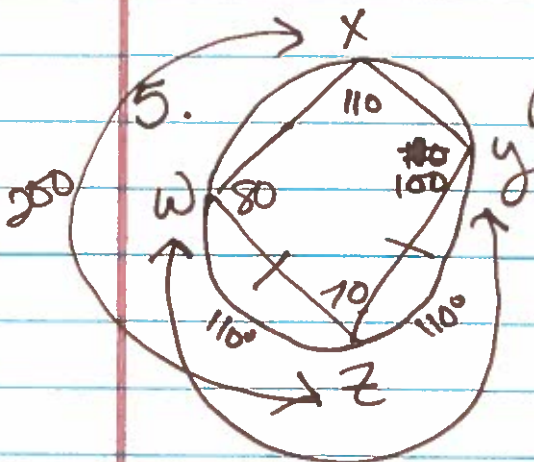
$$4. X(X+8) = 6(8)$$

$$X^2 + 8X = 48$$

$$0 = X^2 + 8X - 48$$

$$\frac{-8 \pm \sqrt{64 - 4(1)(-48)}}{2(1)}$$

$$\frac{-8 \pm 16}{2} = \boxed{4}$$



not drawn to scale.

$$\boxed{wz = 110^\circ}$$

$$110 + z = 180$$

$$\boxed{z = 70}$$

$$wx = 200$$

$$\begin{array}{r} 200 \\ - 110 \\ \hline 90 \end{array}$$

$$2 \cdot 110 = 220$$

$$100 + w = 180$$

$$\boxed{w = 80}$$

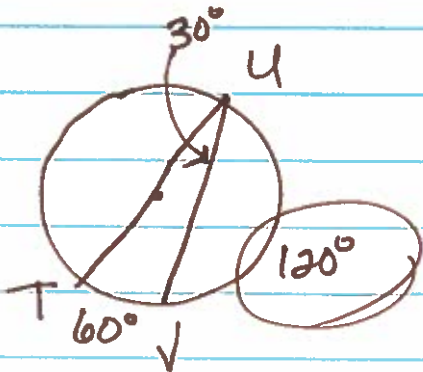
$$\frac{220}{2} = 110^\circ$$

6.

$$7. \frac{260}{2} = 130^\circ$$

8.

9.



$$10. (\sqrt{3})^2 = x(x+2)$$

$$3 = x^2 + 2x$$

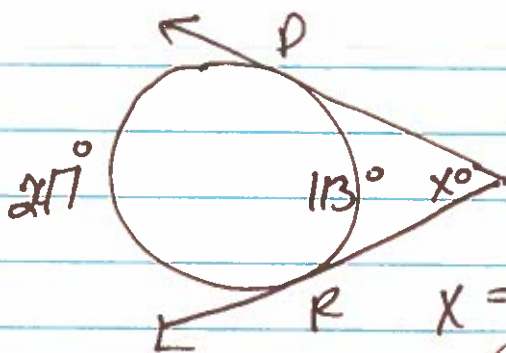
$$0 = x^2 + 2x - 3$$

$$\frac{-2 \pm \sqrt{4 - 4(1)(-3)}}{2(1)}$$

$$\frac{-2 \pm \sqrt{4 + 12}}{2}$$

$$\frac{-2 \pm 4}{2} \quad \frac{2}{2} = 1$$

11.



$$360 - 247 = 113^\circ$$

$$x = \frac{1}{2} (247 - 113)$$

$$= 67$$

$$12. 110^\circ + \angle D = 180$$

$$\angle D = 70$$

$$80 + \angle C = 180$$

$$\angle C = 100$$

$$13. 5(12) = x(x+4)$$

$$60 = x^2 + 4x$$

$$0 = x^2 + 4x - 60$$

$$\frac{-4 \pm \sqrt{16 - 4(1)(-60)}}{2(1)}$$

$$\frac{-4 \pm \sqrt{256}}{2}$$

$$\frac{-4 \pm 16}{2}$$

$$\frac{-4 + 16}{2}$$

$$\frac{12}{2} = 6$$

$$14. \quad x(x+12) = (x+4)^2$$

$$x^2 + 12x = x^2 + 4x + 4x + 16$$

$$\cancel{x^2} + 12x = \cancel{x^2} + 8x + 16$$

$$\cancel{12x} - 8x = 16$$

$$4x = 16$$

$$x = 4$$

$$x = 4$$

$$15. \quad x = \frac{1}{2}(106 + 120)$$

$$= 113^\circ$$

$$16. \quad 9(9+15) = 8(x)$$

$$9(24)$$

$$216 = 8x$$

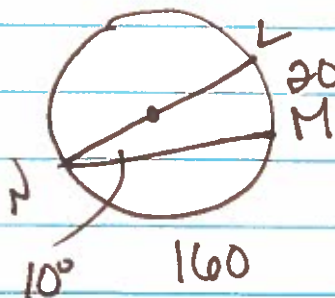
$$27 = x$$

$$17. \quad 8(19) = 7(x)$$

$$152 = 7x$$

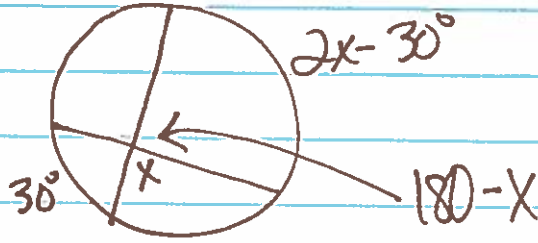
$$21.7 = x$$

18.



$$\cancel{10^\circ} \angle N = 10^\circ$$

19.



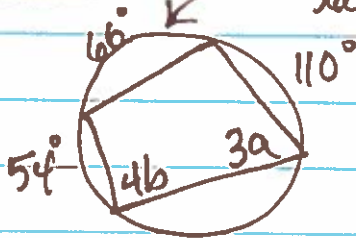
$$180 - x = \frac{1}{2}(2x - 30 + 30)$$

$$180 - x = x$$

$$180 = 2x$$

$$90 = x$$

20.



$$360 - (54 + 110 + 130) = 66!!$$

$$4b = \frac{1}{2}(66 + 110)$$

$$b = 22$$

$$3a = \frac{1}{2}(54 + 66)$$

$$a = 20$$

10.7 quiz

1. A $x^2 + y^2 = 3^2$

$$\boxed{x^2 + y^2 = 9}$$

B $x^2 + y^2 = 8^2$

$$\boxed{x^2 + y^2 = 64}$$

2. ~~A~~ $(x - -4)^2 + (y - -1)^2 = 3^2$

b $\rightarrow \boxed{(x+4)^2 + (y+1)^2 = 9}$

A $\rightarrow (x - -3)^2 + (y - -4)^2 = 6^2$

$$\boxed{(x+3)^2 + (y+4)^2 = 36}$$

3. A $\Rightarrow (x+4)^2 + (y+4)^2 = 16$

b $\Rightarrow (x+3)^2 + (y+5)^2 = 25$

4. $A \Rightarrow (x+4)^2 + (y-3)^2 = 49$

$B \Rightarrow (x+4)^2 + (y-3)^2 = 49$

5. $A \Rightarrow (x-5)^2 + (y-2)^2 = 25$ $r=5$ blocks

$B \Rightarrow (x+4)^2 + (y-6)^2 = 16$ $r=4$ blocks

6. $A+B$ center $(4, -3)$ radius 5.