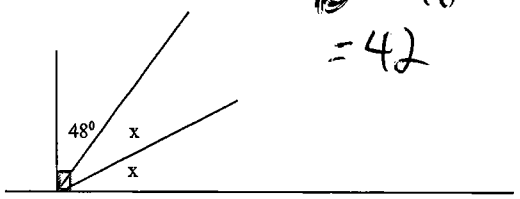
Angles, Complements, Supplements, Bisectors, and Types Name_____

1. Complete the Table

Angle Measure	Angle Type	Complement of Angle	Supplement of Angle	Bisected Angle Measure
30^0	ACUTE	70^0	$180-30$ 150^0	15^0 $30\div2$
$90-25=65^0$	ACUTE	25^0	$180-65=115^0$	$32\frac{1}{2}$ $65\div2$
$180-62=118^0$	OBTUSE	N/A	62^0	$118\div2=59^0$
$45\times2=90^0$	RIGHT	N/A	$180-90=90^0$	45^0

Determine the Measure of Angle x

2.

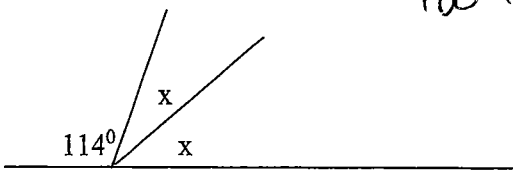


$90^0-48=42$

$\frac{2x}{2}=\frac{42}{2}$

$x=21^0$

3.

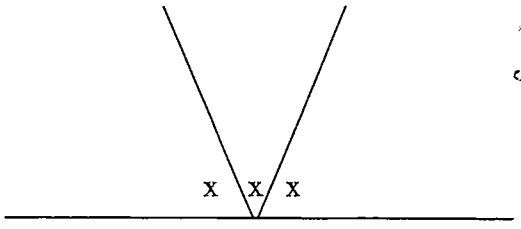


$180-114=66$

$\frac{2x}{2}=\frac{66}{2}$

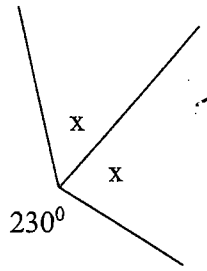
$x=33^0$

4.



$\frac{3x}{3}=\frac{180}{3}$

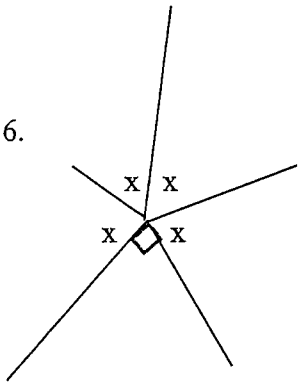
$x=60^0$

5. 

$360 - 230 = 130$

$\frac{2x}{2} = \frac{130}{2}$

$x = 65^0$

6. 

$360 - 90 = 270$

$\frac{4x}{4} = \frac{270}{4}$

$x = 67.5^0$

Answers

Angle Measure	Angle Type	Complement of Angle	Supplement of Angle	Bisected Angle Measure
30^0	Acute	60	150	15
65	Acute	25^0	115	32.5
118	Obtuse	NA	62^0	59
90	Right	NA	90	45^0

2. x=21 3. x=33 4. x=60 5. 65 6. 67.5