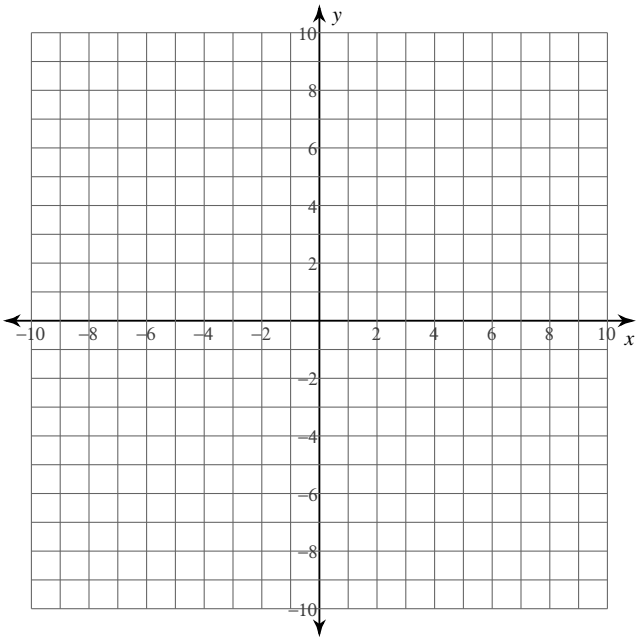
Geometry Name_____

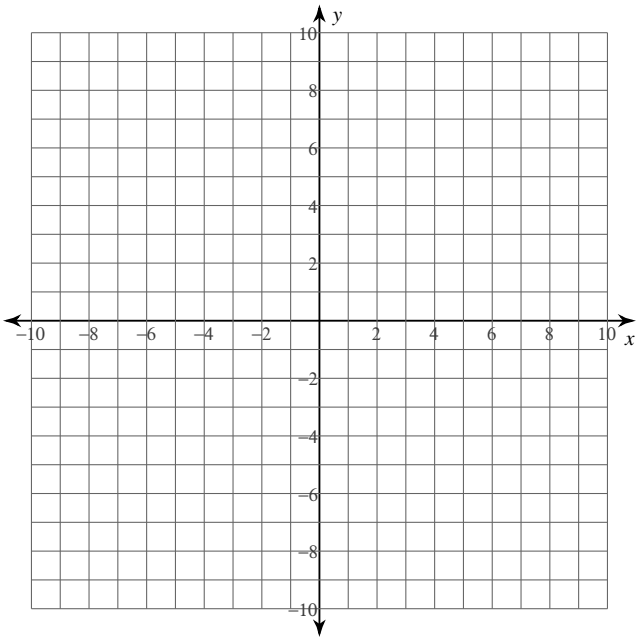
Sections 0-7 & 1-3

Plot each point.

1) $U(6, 3)$ $T(2, 0)$ $S(-2, 7)$
$R(10, -5)$ $Q(8, 1)$

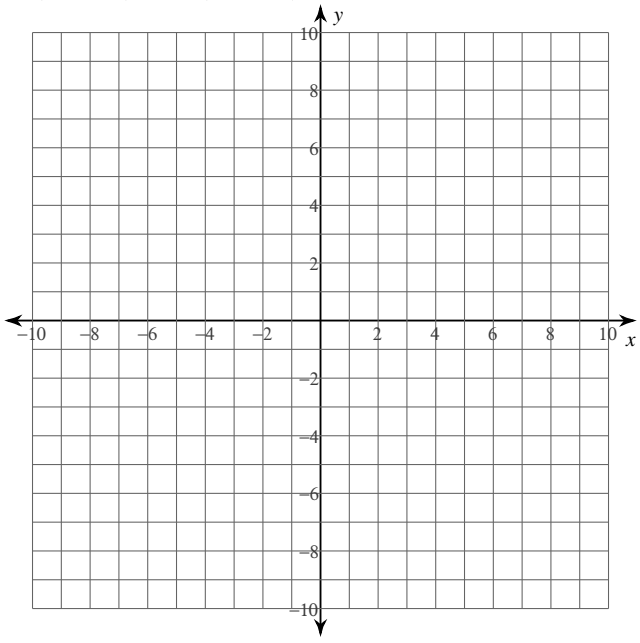


2) $T(6, 2)$ $S(-4, 6)$ $R(5, -6)$
$Q(-6, -10)$ $P(-2, -9)$

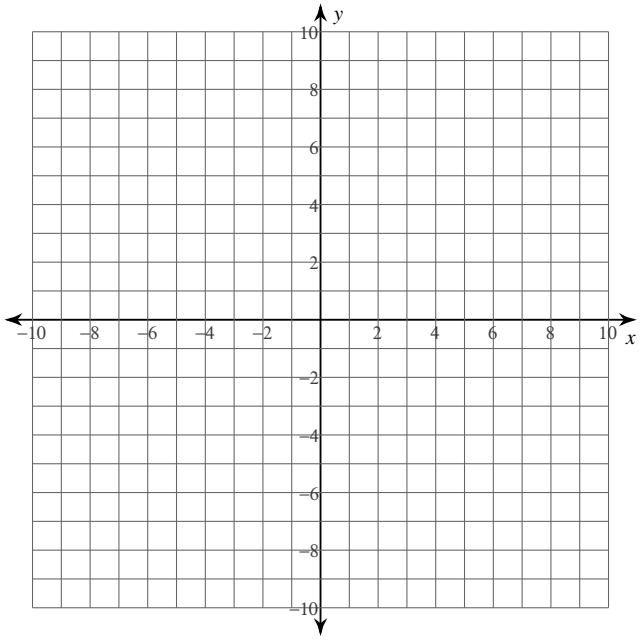


State the quadrant or axis that each point lies in.

3) $R(-9, -8)$ $S(5, 2)$ $T(6, 1)$
$U(-5, 10)$ $V(-7, -7)$

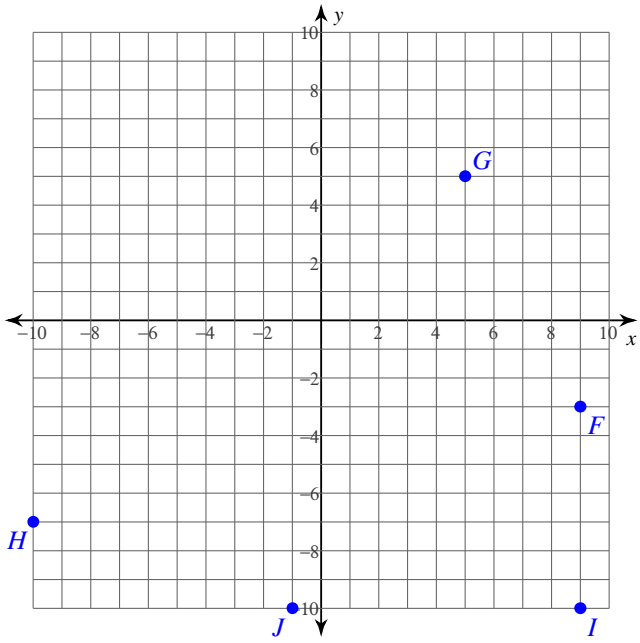


4) $S(5, 9)$ $T(5, 5)$ $U(8, 6)$
$V(-8, -1)$ $W(0, -5)$

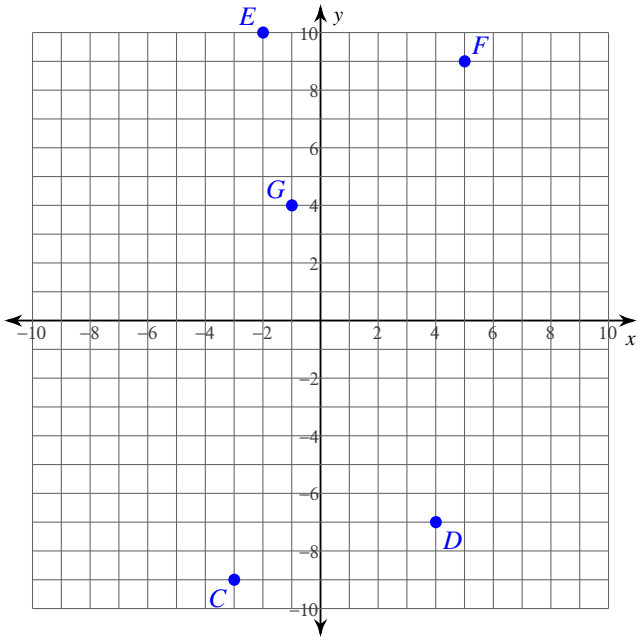


State the coordinates of each point.

5)

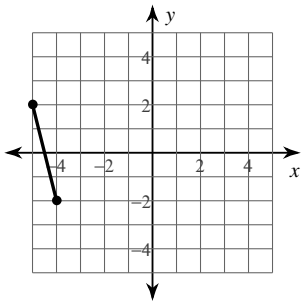


6)

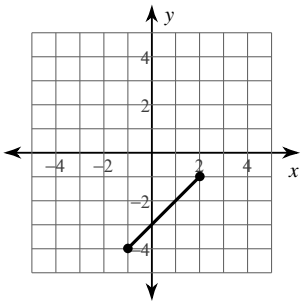


Find the midpoint of each line segment.

7)



8)



Find the midpoint of the line segment with the given endpoints.

9) $(3, 6),\ (3, 6)$

10) $(6, 2),\ (-4, -5)$

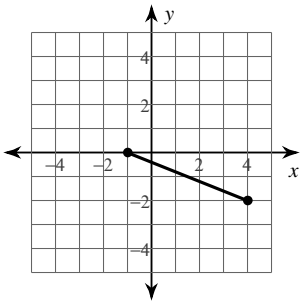
Find the other endpoint of the line segment with the given endpoint and midpoint.

11) Endpoint: $(-8, 8)$, midpoint: $(-5, 3)$

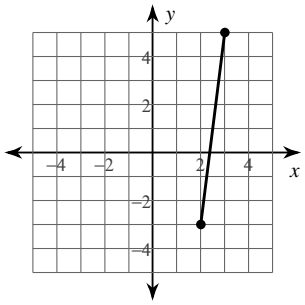
12) Endpoint: $(10, -9)$, midpoint: $(2, 5)$

Find the distance between each pair of points.

13)



14)



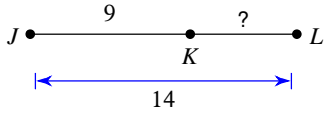
15) $(-7, -2),\ (-1, 4)$

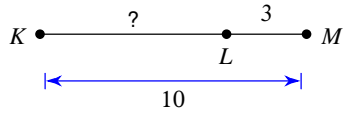
16) $(-4, 3),\ (4, 3)$

Geometry Name_____

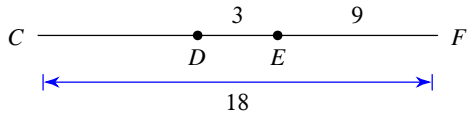
Section 1-2

Find the length indicated.

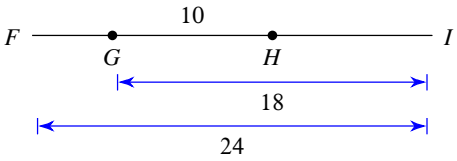
1) 

2) 

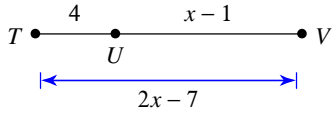
3) Find *CD*

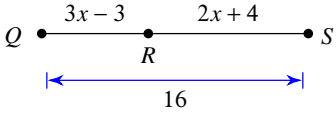


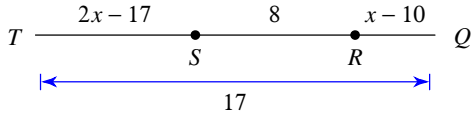
4) Find *FH*

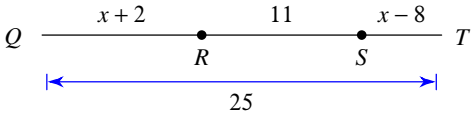


Solve for *x*.

5) 

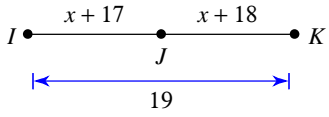
6) 

7) 

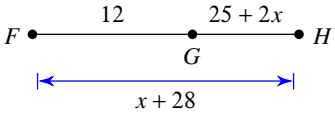
8) 

Find the length indicated.

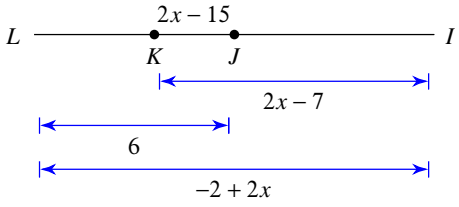
9) Find *IJ*



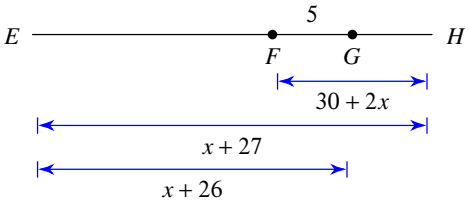
10) Find *GH*



11) Find *KI*



12) Find *EG*



Points A, B, and C are collinear. Point B is between A and C. Find the length indicated.

13) $AB = 10$ and $BC = 2$. Find AC.

14) $AC = 8$ and $BC = 7$. Find AB.

Points A, B, and C are collinear. Point B is between A and C. Solve for *x*.

15) Find x if $AC = 4x + 3$, $AB = 12$, and $BC = 2x - 1$.

16) Find x if $BC = x - 2$, $AB = x - 1$, and $AC = 19$.

Points A, B, and C are collinear. Point B is between A and C. Find the length indicated.

17) Find BC if $AC = x + 15$, $BC = 2x + 12$, and $AB = 8$.

18) $BC = 19 + 2x$, $AB = 6$, and $AC = x + 17$. Find AC.

Geometry Name_____

Section 1-4

Classify each angle as acute, obtuse, right, or straight.

1) 130°

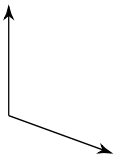
2) 151°

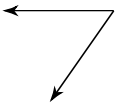
3) 70°

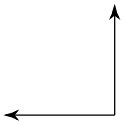
4) 180°

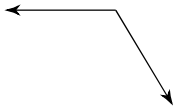
5) 50°

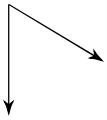
6) 90°

7) 

8) 

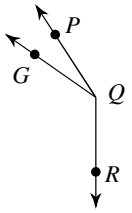
9) 

10) 

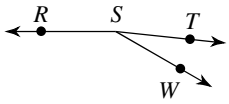
11) 

12) 

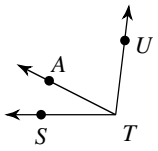
13) Find $m\angle GQP$ if $m\angle RQP = 147°$ and $m\angle RQG = 125°$.



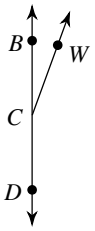
14) Find $m\angle WSR$ if $m\angle TSW = 24°$ and $m\angle TSR = 174°$.



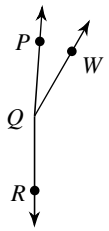
15) $m\angle STU = 97°$ and $m\angle STA = 27°$. Find $m\angle ATU$.



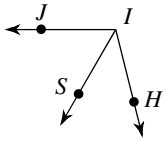
16) Find $m\angle BCD$ if $m\angle BCW = 20°$ and $m\angle WCD = 160°$.



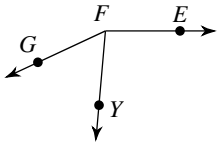
17) $m\angle WQR = 150°$, $m\angle PQW = 2x + 10$, and $m\angle PQR = 23x - 8$. Find x.



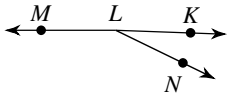
18) Find x if $m\angle SIJ = 60°$, $m\angle HIS = 4x + 8$, and $m\angle HIJ = 10x + 14$.



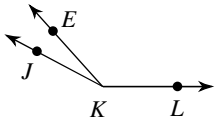
19) $m\angle YFG = x + 66$, $m\angle EFY = x + 101$, and $m\angle EFG = 155°$. Find x.



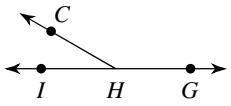
20) $m\angle KLN = x + 27$, $m\angle NLM = x + 157$, and $m\angle KLM = 178°$. Find x.



21) $m\angle JKE = 9 + x$, $m\angle JKL = 13x + 9$, and $m\angle EKL = 132°$. Find $m\angle JKL$.



22) Find $m\angle CHG$ if $m\angle IHG = 180°$, $m\angle CHG = x + 154$, and $m\angle IHC = x + 34$.

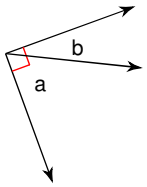


Geometry Name_____

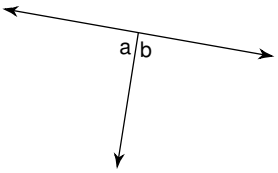
Section 1-5

Name the relationship: complementary, linear pair, vertical, or adjacent.

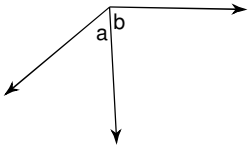
1)



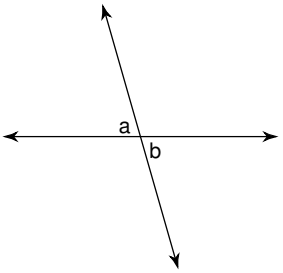
2)



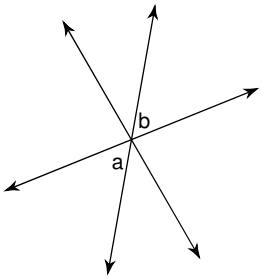
3)



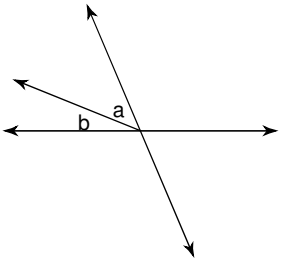
4)



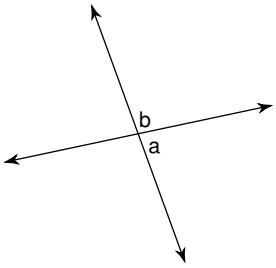
5)



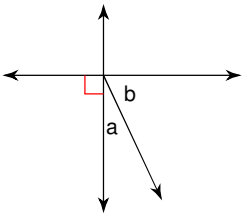
6)



7)

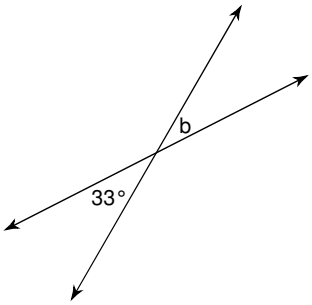


8)

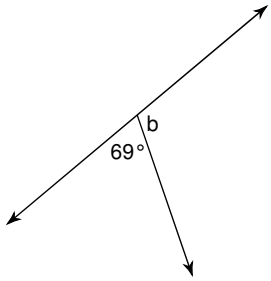


Find the measure of angle b.

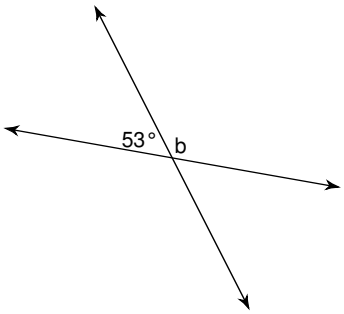
9)



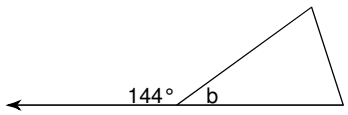
10)



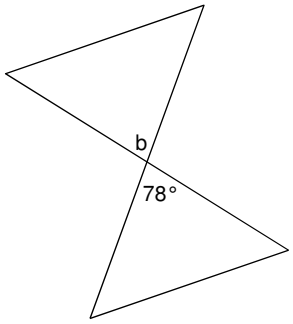
11)



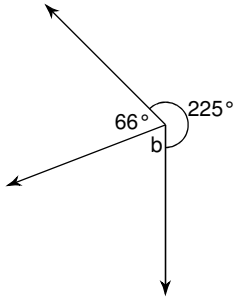
12)



13)

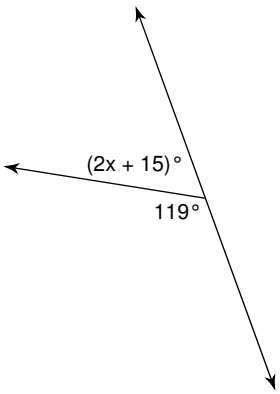


14)

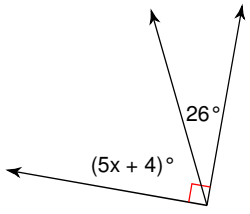


Find the value of x.

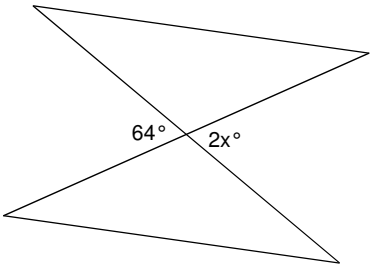
15)



16)



17)



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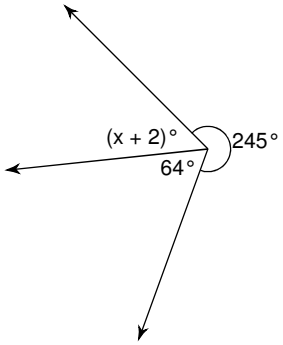

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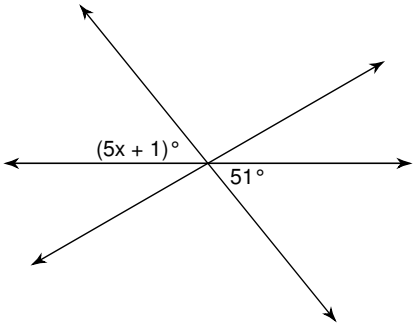

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