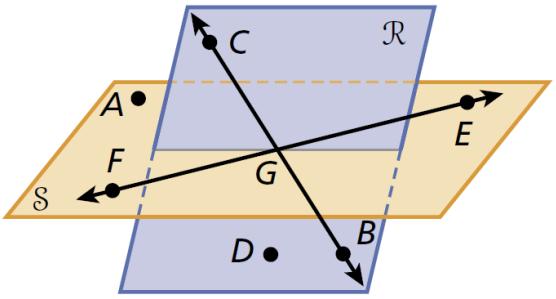
Name: _____Date:_____Block:_____

Geometry Chapter 1 Review



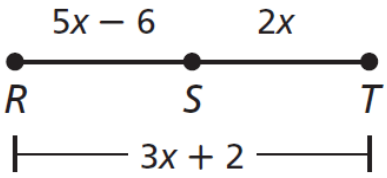
1. Name 3 collinear points on plane R.

2. Give another name for plane S.

3. Name the intersection of line BC and Plane S.

4. Name a ray with endpoint E.

5. S is between R and T. Find RT.



6. Y is between X and Z. XY = 13.8, and XZ = 21.4. Find YZ.

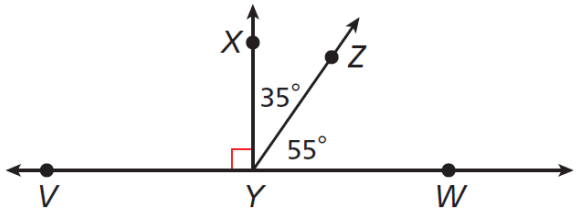
7. Q is between P and R. PQ = 3x, QR = 6x+4, and PR = 14x – 6. Find PR.

8. U is the Midpoint of TV, TU = 3X + 4, and UV = 5X - 2. Find TU, UV, and TV.

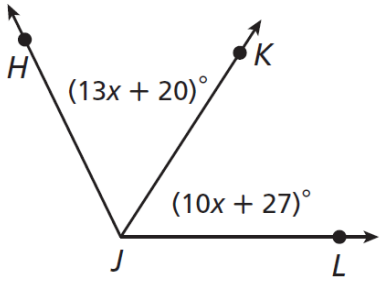
9. E is the midpoint of DF, DE = 9X, and DF = 20X – 4. Find DE, EF, and DF.

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

a. $\angle XYW$ b. $\angle ZYV$ c. $\angle XYZ$



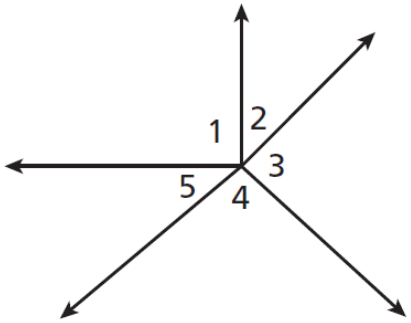
11. K is in the interior of $\angle HJL$. If $m\angle HJL = 116°$, find the $m\angle HJK$.



12. $\overrightarrow{NP}$ bisects $\angle MNQ$, $m\angle MNP = (6x - 12)°$, and $m\angle PNQ = (4x + 8)°$. Find $m\angle MNQ$.

Tell whether the angles are only adjacent, adjacent and linear pair, or not adjacent.

13. $\angle 1$ and $\angle 2$ 14. $\angle 3$ and $\angle 4$ 15. $\angle 2$ and $\angle 5$



14. The $m\angle A = (2x+30)°$ and $m\angle B = (3x-20)°$. If $\angle A$ and $\angle B$ are supplementary, what is the $m\angle B$?

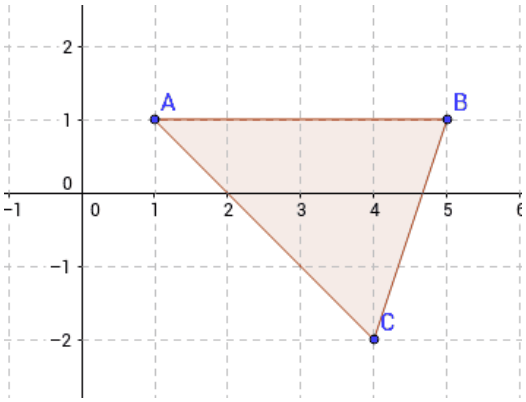
15. What is the distance from X(-2, 4) to Y(6,1).

16. If L(-4, 2) and M(3, -2), what is LM?

17. Given $\overline{AY}$ with endpoints A(5, 9) and Y(-11, 3) and midpoint M , what are the coordinates for M?

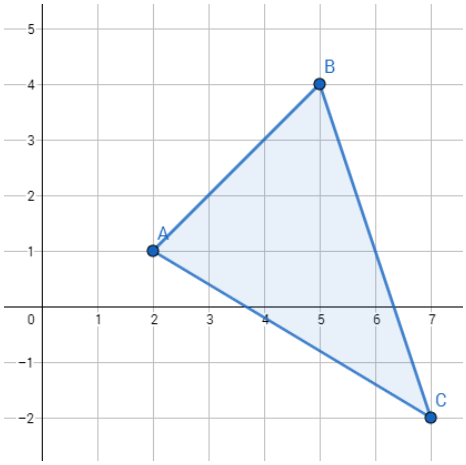
18. B is the midpoint of $\overline{AY}$. A has coordinates (3, 2) and B has coordinates (-1,4). What are the coordinates of Y?

19. Find the area and perimeter of triangle ABC. Leave the perimeter in simplest radical form. Round area to the nearest tenth, if necessary.



Perimeter: _____ Area: _____

20. Find the area and perimeter of triangle ABC. Leave the perimeter in simplest radical form. Round area to the nearest tenth, if necessary.



Perimeter: _____ Area: _____