

Homework Assignment

- 1) Find a geometric representation for the following sequence of numbers.

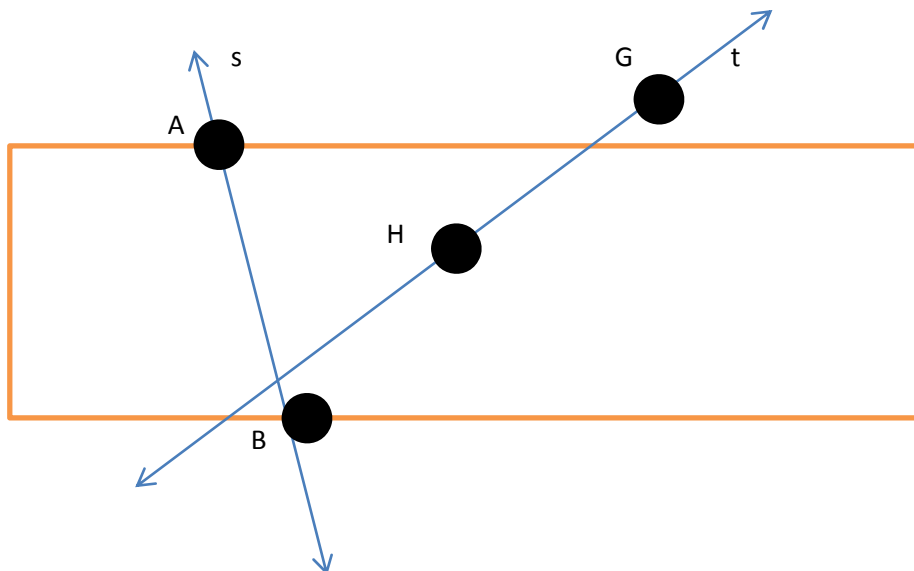
4, 6, 8, 10, 12, ...

- 2) Illustrate three undefined terms in geometry.

- 3) Write a description of a line segment. How are line segments labeled?

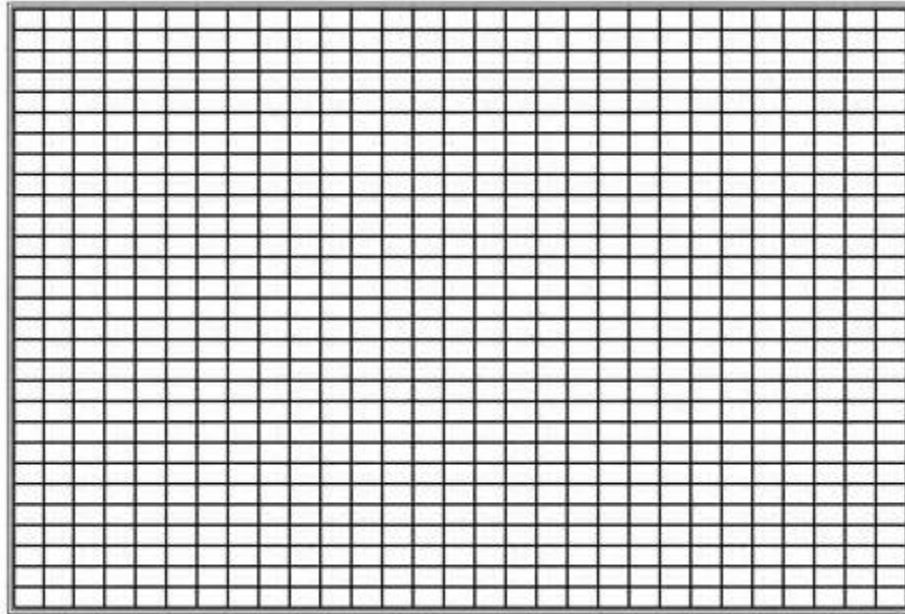
- 4) Write a description of a ray. How are rays labeled?

- 5) What are three names for the line containing G and H?



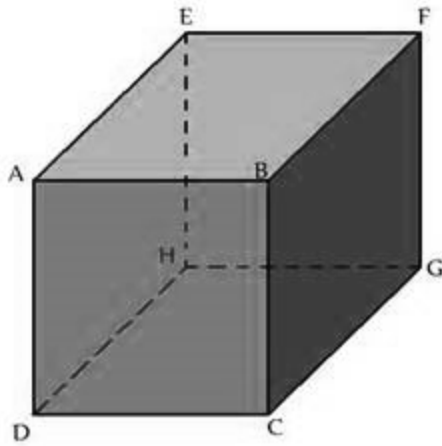
6) Describe the difference between a ray and a line.

7) Draw and label \overline{AB} where A has coordinates $(-2,7)$ and B has coordinates $(1, 3)$



8) How are $\angle JKL$ and $\angle KLJ$ different?

9) Draw and label a plane in geometry. What must be included?



- 10) Name two points that are collinear with point D.
- 11) Point E is not collinear with points G or C. Name another point that is not collinear with G or C.
- 12) Points A, E, and F are coplanar points. Name another point that is coplanar with A and E.
- 13) Points A, B, and F are noncoplanar with point C. Name another point that is noncoplanar with A, B, and F.
- 14) Suppose $\angle A$ and $\angle B$ are complementary angles, $m\angle A = (2x + 6)^\circ$, and $m\angle B = (3x + 4)^\circ$.
Solve for x and then find $m\angle A$ and $m\angle B$.
- 15) The measure of the supplement of an angle is 16 more than three times the measure of the angle. Find the measure of the angle and its supplement.