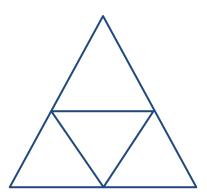
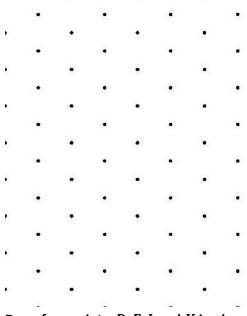
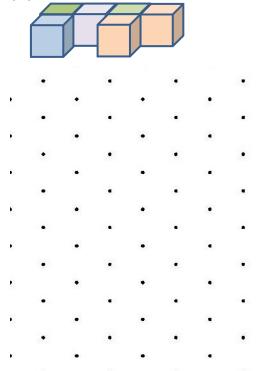
Name a three-dimensional figure that can be 1. formed from each net.



Use isometric dot paper to sketch a rectangular prism that is 2 units high. The bases are rectangles with 3 unit's length and 2 unit's width.



Make an isometric drawing of each on isometric dot paper.

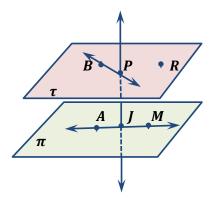


Draw four points, D, F, L and K in plane π . Points D, F and K are collinear. Then sketch \overrightarrow{LF} and \overrightarrow{DK} .

- 5. Draw and label figure for each relationship.
- Line segment \overline{NM} a.
- b. Line \overrightarrow{GR}

c. Ray \overrightarrow{OR} and ray \overrightarrow{OT}

Refer to each figure.



Name the intersection of plane π and line \overrightarrow{PJ} .

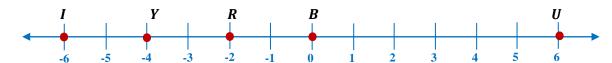
Name the intersection of plane τ and line \overrightarrow{PJ} .

Name a point that is coplanar with B and P.

Name the opposite ray of ray \overrightarrow{JM} .

Find the length of each segment using number line. Determine whether each of the segments is congruent. 7.

$$IY = ? YR = ? RU = ? IU = ?$$



8. Find the value of x and the length of each segment using segment addition postulate.

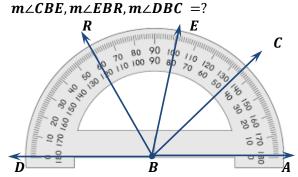
Point A is between points S and K.

The points are collinear.

$$SA = x - 5$$
 $AK = x - 3$ $SK = 10$

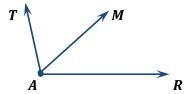
$$\overline{SA} = ? \quad \overline{AK} = ?$$

9. Find the measure of each angle.



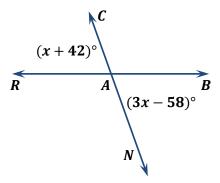
10. Find the indicated angle measures.

If \overrightarrow{AM} bisects $\angle RAT$ and $m \angle RAT = 142$, find $m \angle RAM$ and $m \angle MAT$.



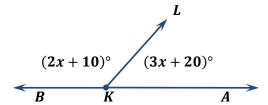
11. Find the value of x and then the indicated angle measures.

 $m \angle RAC$, $m \angle BAN$, $m \angle BAC$, and $m \angle NAR = ?$

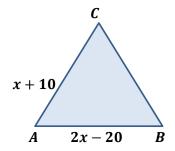


Find the value of x and then the indicated angle measures. **12.**

If angles $\angle AKL$ and $\angle BKL$ are supplementary and $m \angle AKL = 3x + 20$, $m \angle BKL = 2x + 10$, what are $m \angle AKL$ and $m \angle BKL$?



13. Expressions are given for two side lengths of regular polygon. Find the value of x.



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- Draw a figure that fits the description. 14.
- **Concave dodekagon** a.
- b. Convex decagon
- c. **Convex quadrilateral**

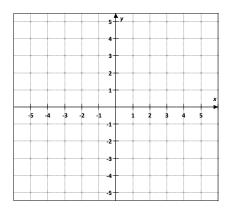
Determine the point $\it C$ on the $\it y$ -axis that is equidistant from $\it A(4,1)$ and $\it B(-4,-1)$ **15.**

Determine if A(1,1), B(6,1) and C(6,4) are the vertices of a right triangle. 16.

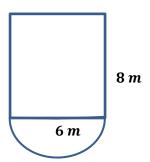
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Draw the figure in the coordinate plane. Find the perimeter and area. **17**.

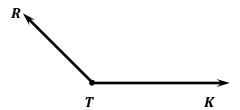
$$A(-5,-4)$$
, $T(3,-4)$, $B(-5,4)$ and $C(3,4)$
 $P_{ABCT} = ?$



18. Find the area of the figure.



Construct the bisector of the given angle. 19.



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20. Construct a line parallel to a given line through a point not on the given line.

