

## Linear Measurement

### English System

12 inches = 1 foot

3 feet = 1 yard

1760 yards = 5280 feet = 1 mile

### Metric System

10 millimeters = 1 centimeter

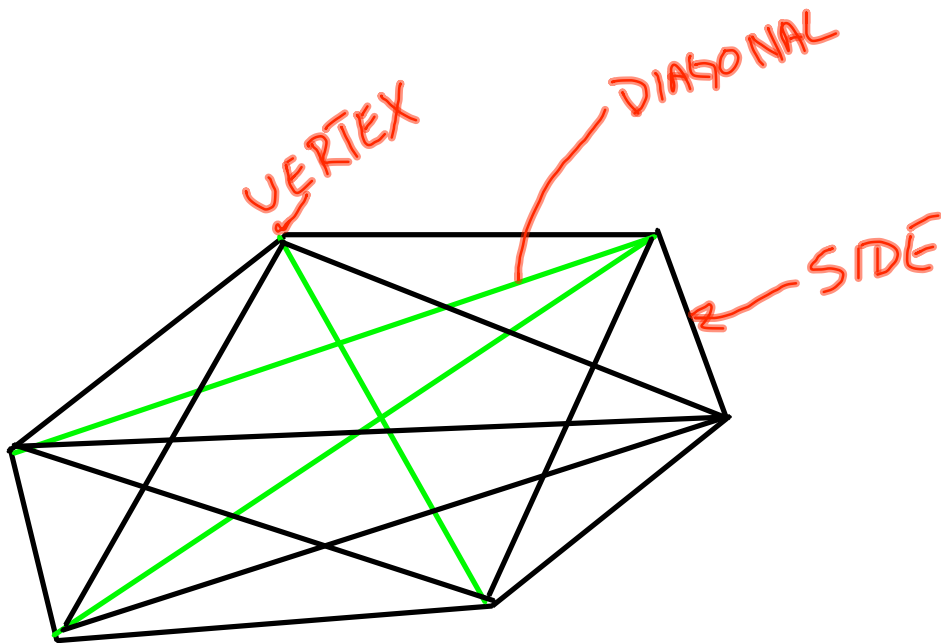
100 centimeters = 1 meter

1000 meters = 1 kilometer

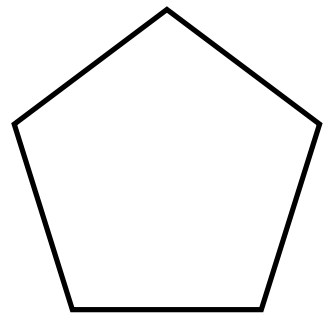
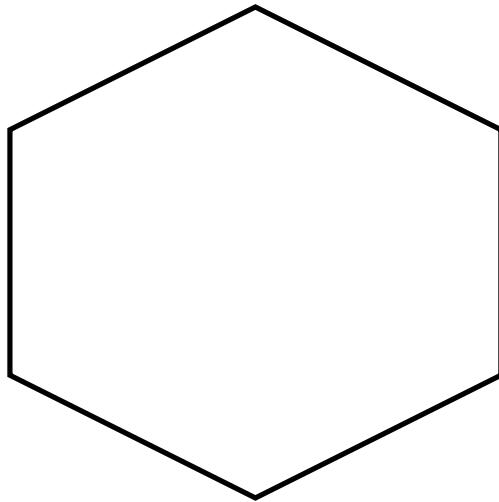
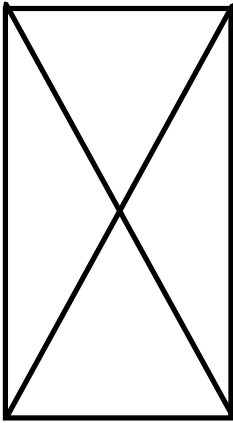
Polygon is a closed figure made up of line segments that intersect at their endpoints.

<u>Sides</u>	<u>Name</u>
3	Triangle
4	Quadrilateral
5	Pentagon
6	Hexagon
7	Heptagon
8	Octagon
9	Nonagon
10	Decagon

Diagonal is a line segment connecting two vertices. It's never a side.



A regular polygon has congruent sides and all angles have the same measure.



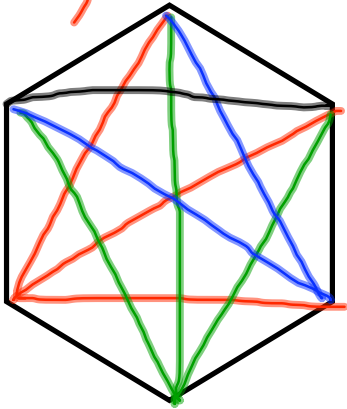
# Chapter 3.1

12 - 27

14)

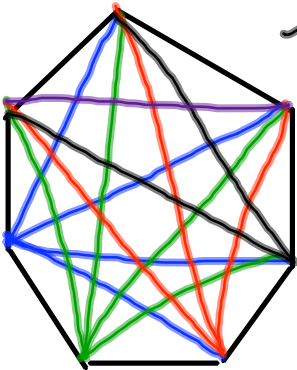
3	4	5	6	7	8	9	...
0	2	5	9	14		27	
	↑	↑	↑	↑	↑	↑	

14)



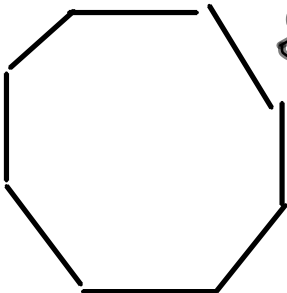
6 SIDES

$$3 + 3 + 2 + 1$$



7 SIDES

$$4 + 4 + 3 + 2 + 1$$



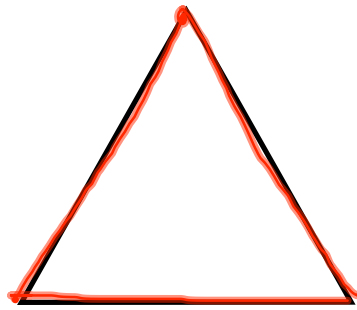
8 SIDES

$$5 + 4 + 3 + 2 + 1$$

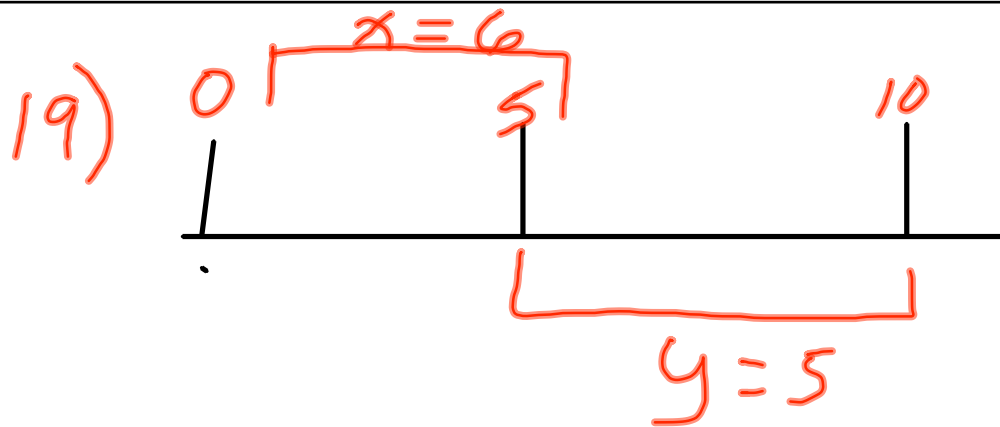




14)



0 diagonals

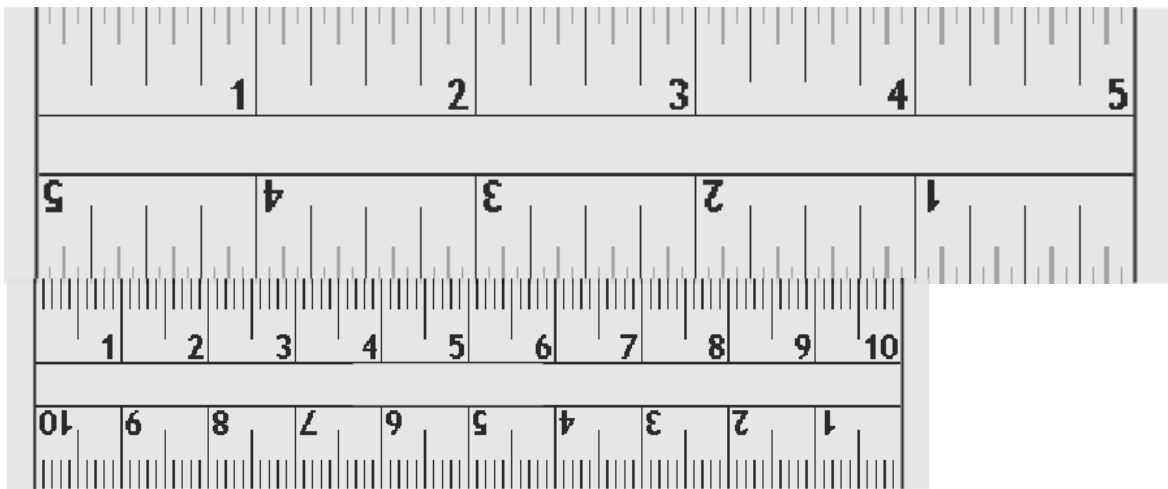


$$x^y + y^x = 6^5 + 5^6 = \boxed{?}$$

24) 35 millimeters = 0.35 centim.

$$\begin{array}{r} 8.00 \text{ cm} \\ 0.35 \text{ cm} \\ + 6.30 \text{ cm} \\ \hline \boxed{\phantom{000}} \text{ cm} \end{array}$$

25)



13c)

