## 8TH GRADE CCSS - UNIT BUNDLES

### **Guided Notes Units**

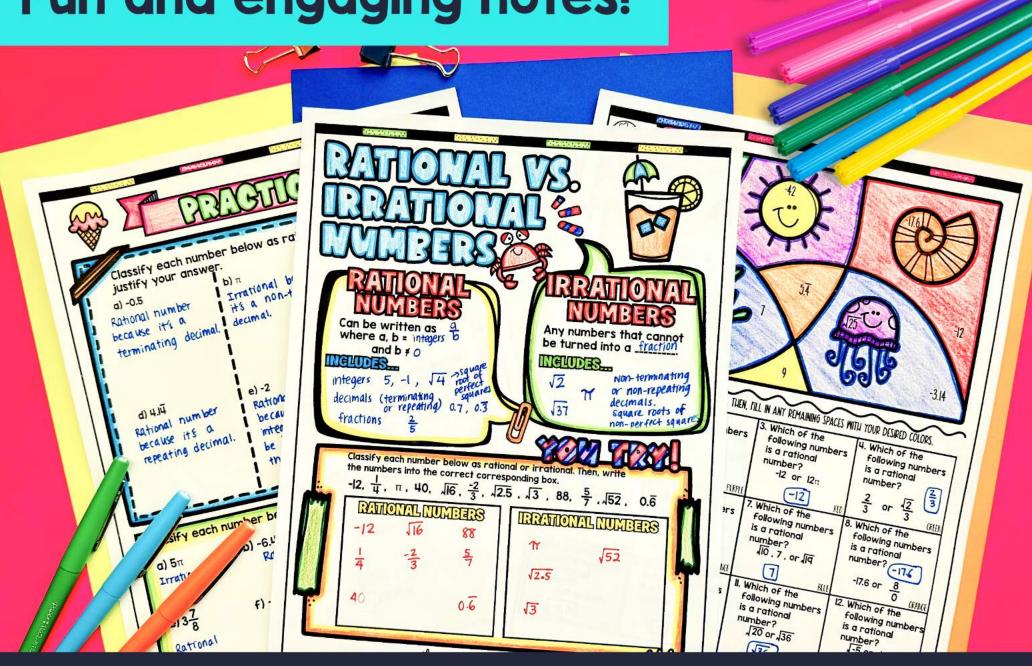
- I. Real Numbers
- 2. Scientific Notation and Laws of **Exponents**
- 3. Linear Equations & System of Equations
- 4. Functions
- 5. Transformations
- 6. Pythagorean Theorem, Angles, and Volume
- 7. Statistics



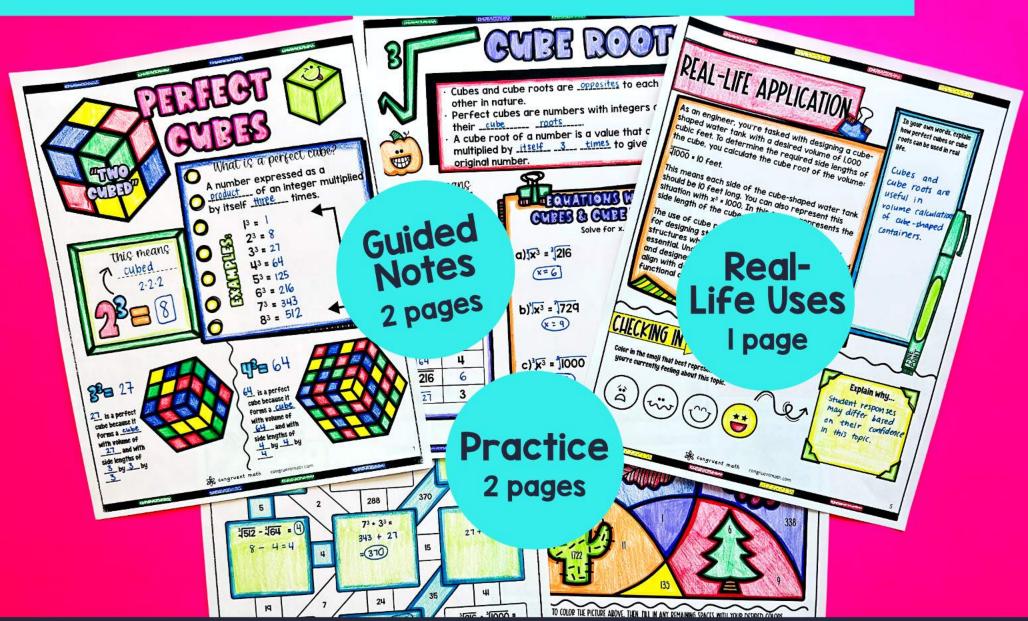
One Solution, Infinite Solutions, or No Sol

After you simplify,

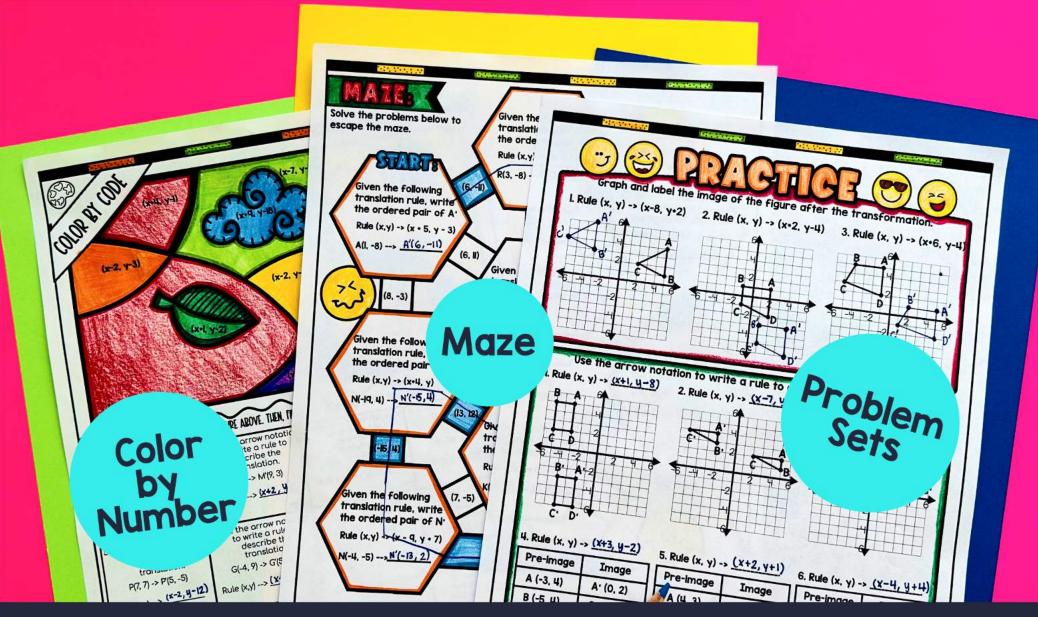
## Fun and engaging notes!



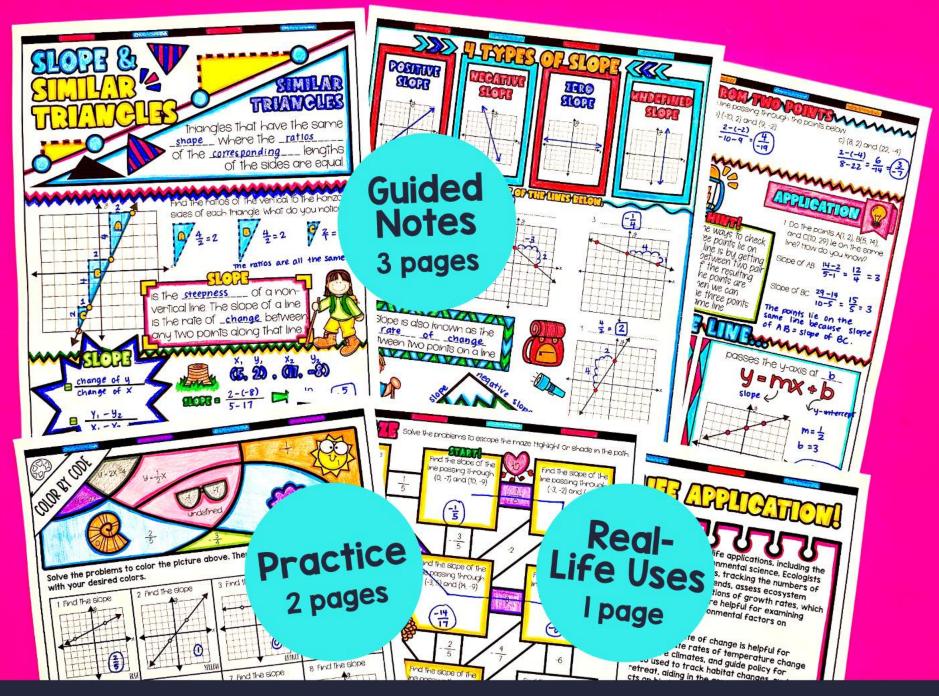
# Every set of guided notes includes sketch notes, practice, and real-life applications.



# Variety of practice activities incorporated!

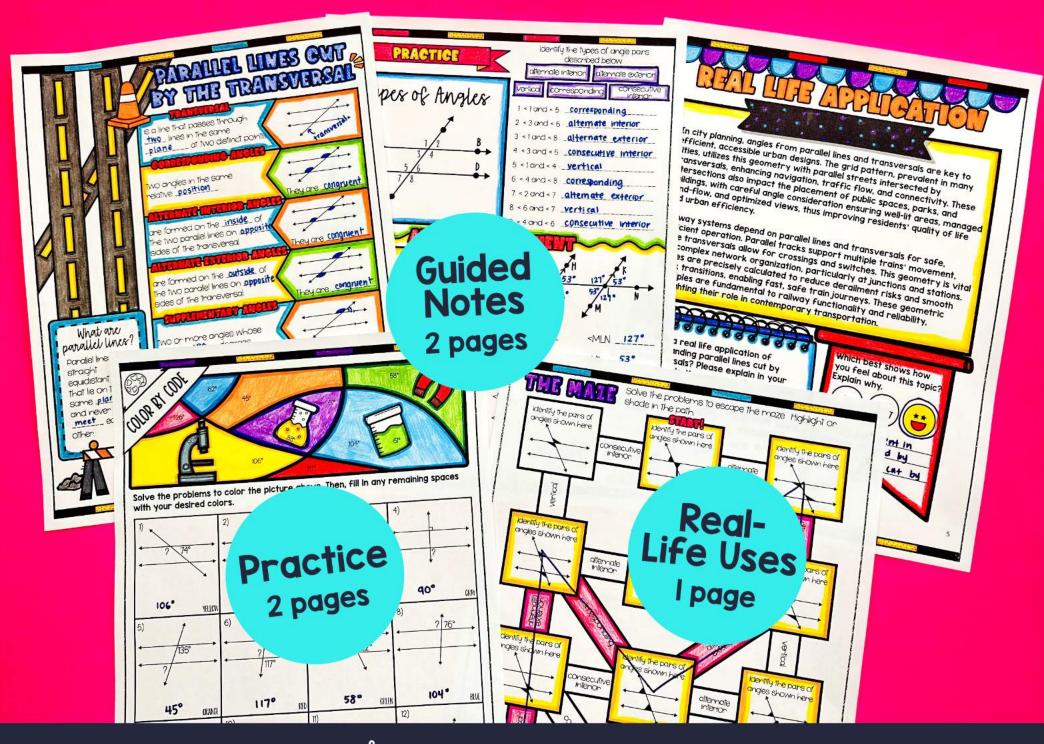


### Colorful and visual notes! the line passing through the points below STILLE b) (-10, 2) and (9, -2) STOPE SLOPE triangles that have the same snape \_ where the \_ratios of the <u>corresponding</u> lengths of the sides are equal. 1 Do the points A(1, 2), B(5, 14), One of the ways to check and C(10, 29) le on the same the three points lie on line? How do you know? the same line is by getting of points if the resulting of points if the resulting slopes of the points are then we conclude the three concludes the three concludes the stores. Slope of AB 14-2 5-1 Slope of 80 $\frac{29-14}{10-5} = \frac{15}{5} = 3$ conclude the three points The ratios are all the same. The points lie on the same line because slope of AB = slope of BC. vertical line. The slope of a line Slope is also known as the is the rate of \_change between rate of change atween two points on a line any two points along that y-wherre m= 1 b =3 zero slope y= 1 x.

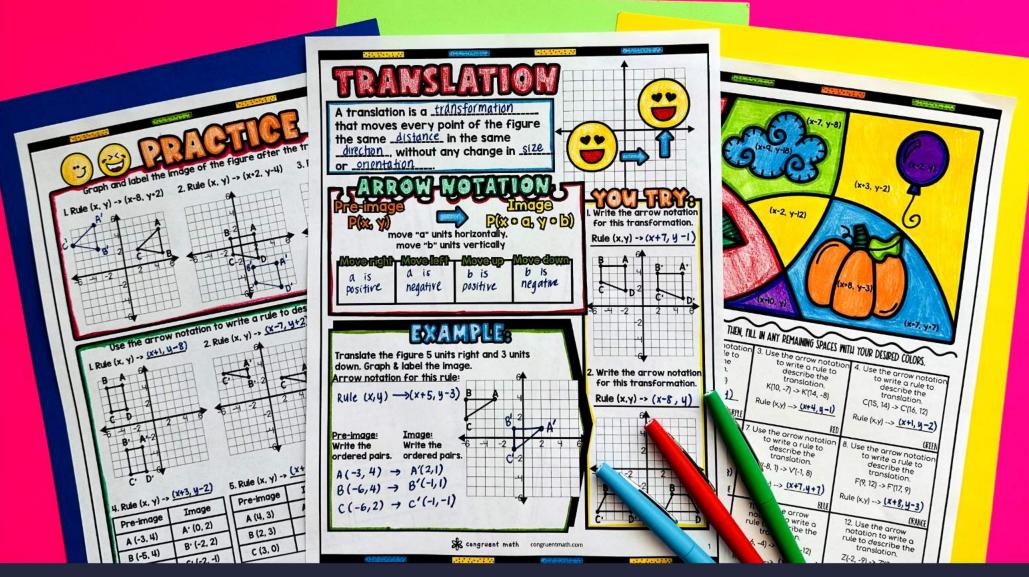


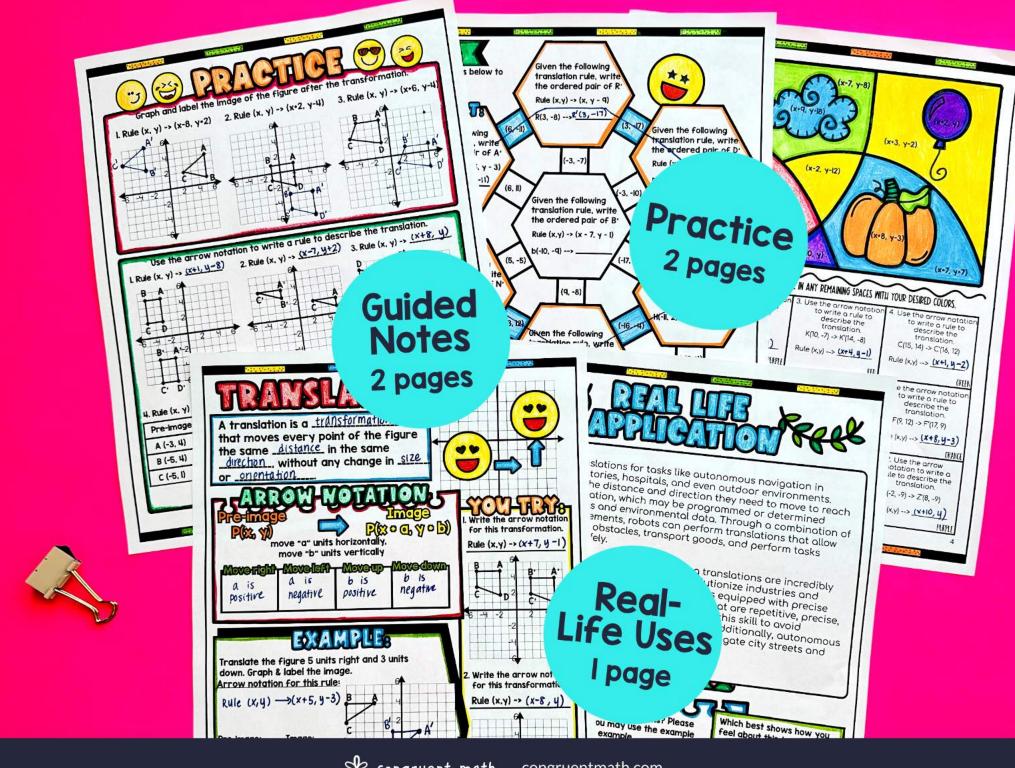
# Sketch notes infused with creativity & visuals





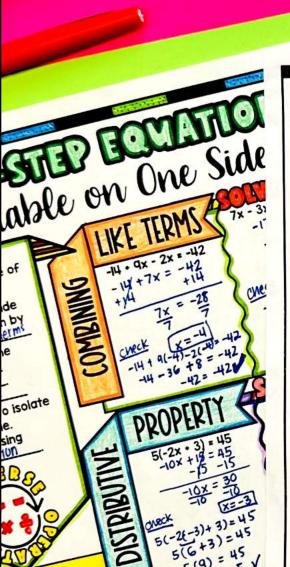
### Rigid Transformations: Translations





### **Multi-Step Equations**

**Preview Sample** 





Some equations have variables on both sides of the equal sign.

### Steps to Solve:

- I. Simplify each side of the equation by using the distributive property or combining like terms
- 2. Use <u>inverse</u> operations to get the variables all to one side of the equal sign.
- 3. Then, use inverse operations to solve for the variable 4. Check using substitution.

### -7/x+17 = 9x +1 +7x 17 = 16x + 16 = 16x check 10-7(1)+7=11(1)+1-2(1)10-7+7=11+1-2 10= 12-2 10 = 10 V

## 5x - 14 = 2(4x + 2)

$$|3x \cdot 2 \cdot 2x = || \cdot || 2x$$

$$|5x + 2 = || \cdot || 2x$$

$$-|2x - || -|2x$$

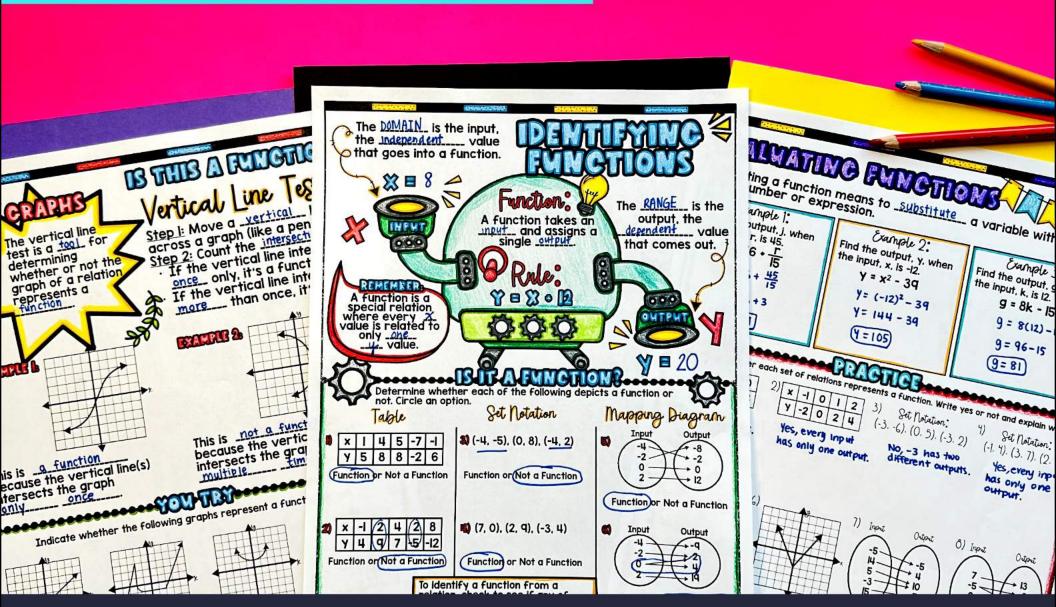
$$|3x + 2| = || -|2x$$

$$-|2x - || -|2x$$

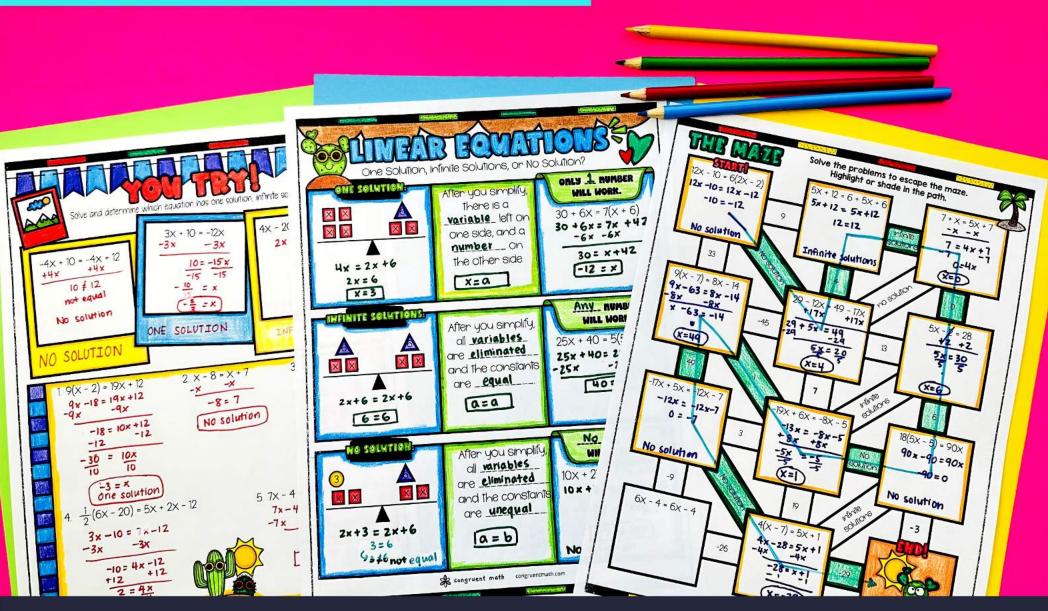
$$\begin{array}{c}
6x \cdot 5 = 10 \cdot 5x \\
-5x & -5x \\
\hline
x + 5/= 10 \\
-3 & -5 \\
\hline
x = 5
\end{array}$$



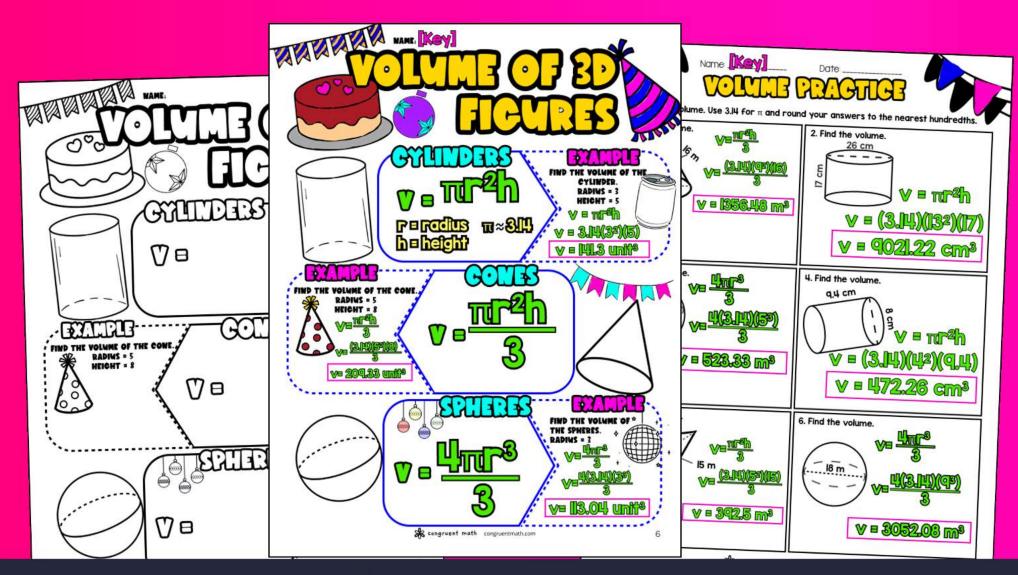
### **Identify & Evaluate Functions**



### Linear Equations: One Solution, No Solution, Infinite Solutions



### Volume of 3D Figures



### Teachers say that it's their lifesaver.



"Great resource and a different way to take notes. Students were engaged and used their notes to help them with solving problems later."

- Heather P.



"Loved it! Used it for students' interactive notebooks"

Desiree L.



"I used this resource with students who typically struggle to remain engaged in mathematics. They remained very engaged and didn't hesitate to fix mistakes and complete their work. Great resource!"

- Carissa S.

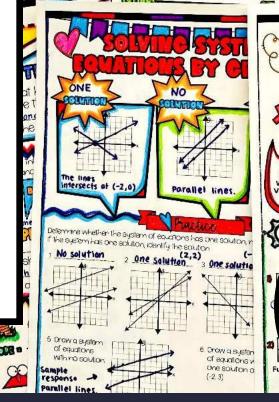
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one side, and a number\_ on the other side

X=a



The DOMAIN\_ is the input,

two\_lines in the same

wo angles in the same relative position