Cheat Sheet

Volume & Surface Area

Formulas

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Thank you!!!

<u>Teacher Notes</u>

- If you want to make a class set, I would recommend laminating the cheat sheet so that you can use it year after year.

- You could also decide to print a cheat sheet for each student and have them glue it into their interactive notebooks.

- If you give one to each student, you could have them color the cheat sheet (If time is limited, I would skip or have students color at home).

Please let me know if you have any questions about the cheat sheet! You can email me at mathindemand@hotmail.com.
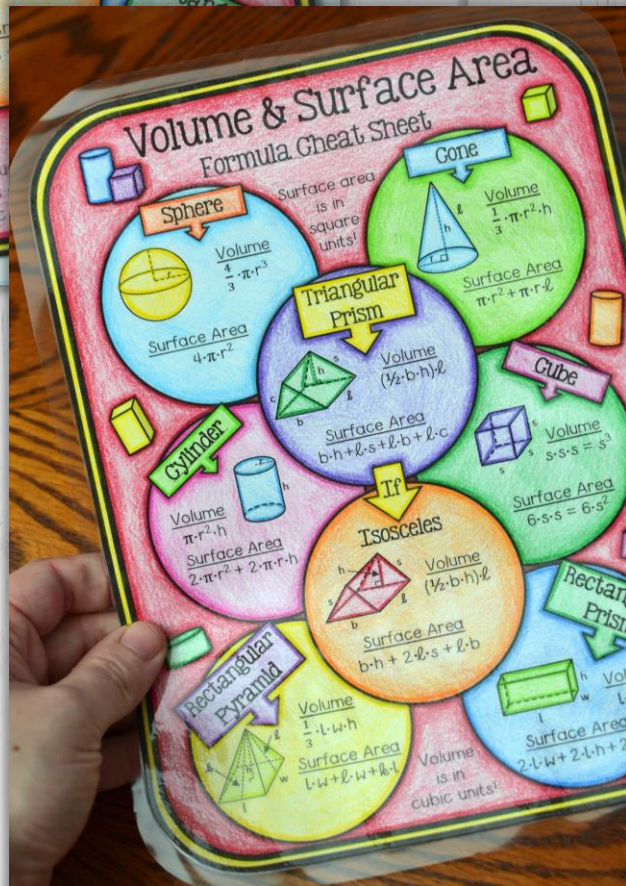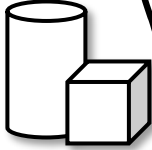
Math in Demand

A Few Options

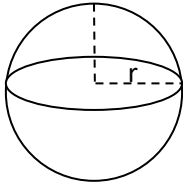Works Great as a Cheat Sheet!

Glue in notebooks or laminate!
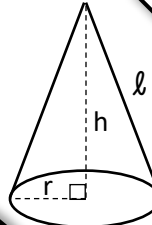
Volume & Surface Area
Formula Cheat Sheet

Surface area is in square units!

Sphere

Volume
$$\frac{4}{3} \cdot \pi \cdot r^3$$
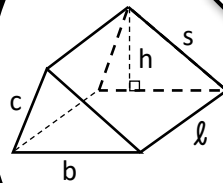
Surface Area
$$4 \cdot \pi \cdot r^2$$

Cone

Volume
$$\frac{1}{3} \cdot \pi \cdot r^2 \cdot h$$

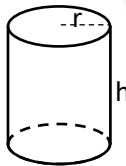Surface Area
$$\pi \cdot r^2 + \pi \cdot r \cdot \ell$$

Triangular Prism

Volume
$$(\tfrac{1}{2} \cdot b \cdot h) \cdot \ell$$

Surface Area
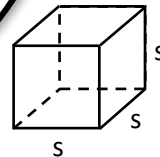$$b \cdot h + \ell \cdot s + \ell \cdot b + \ell \cdot c$$

Cylinder

Volume
$$\pi \cdot r^2 \cdot h$$

Surface Area
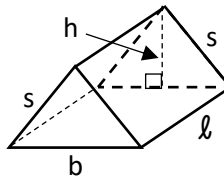$$2 \cdot \pi \cdot r^2 + 2 \cdot \pi \cdot r \cdot h$$

Cube

Volume
$$s \cdot s \cdot s = s^3$$

Surface Area
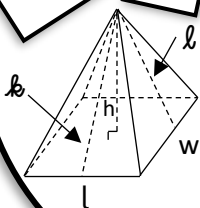$$6 \cdot s \cdot s = 6 \cdot s^2$$

If

Isosceles

Volume
$$(\tfrac{1}{2} \cdot b \cdot h) \cdot \ell$$

Surface Area
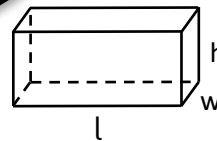$$b \cdot h + 2 \cdot \ell \cdot s + \ell \cdot b$$

Rectangular Pyramid

Volume
$$\frac{1}{3} \cdot l \cdot w \cdot h$$

Surface Area
$$l \cdot w + l \cdot w + k \cdot l$$
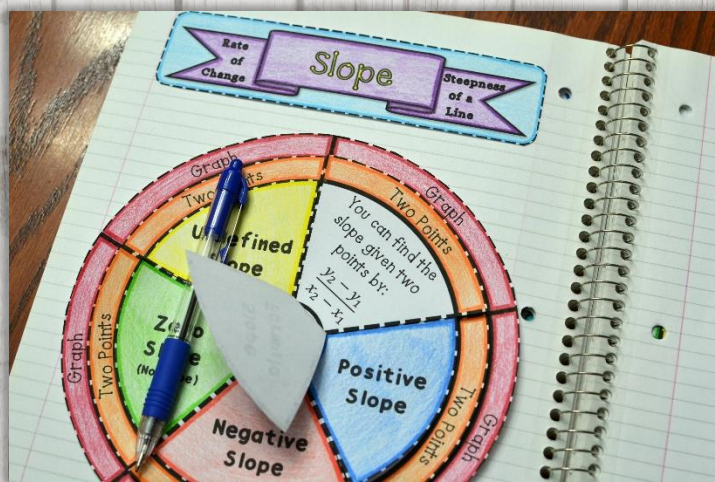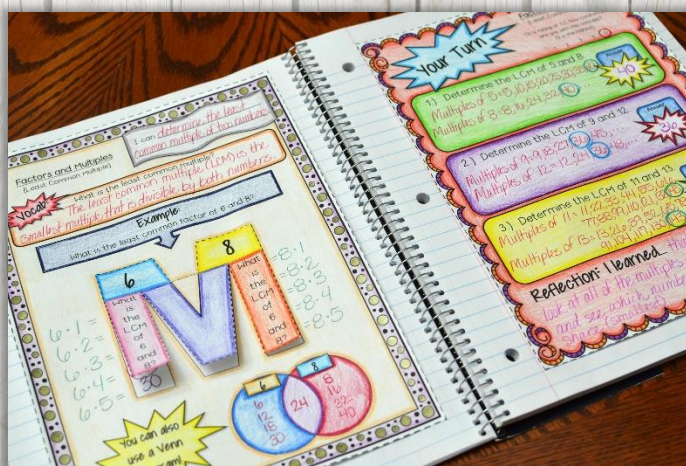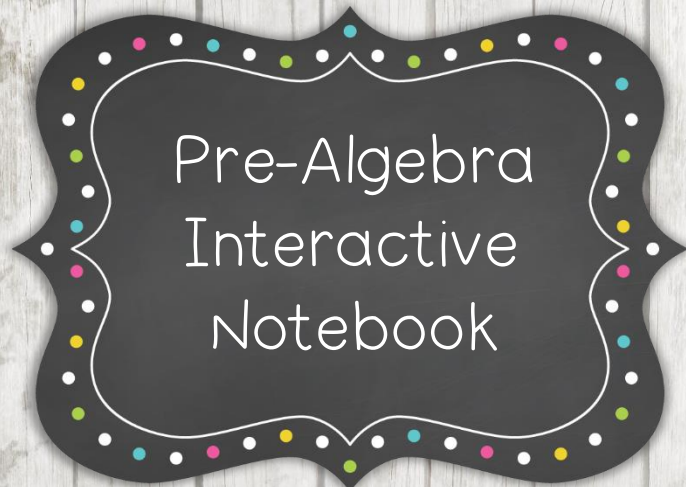
Rectangular Prism

Volume
$$l \cdot w \cdot h$$

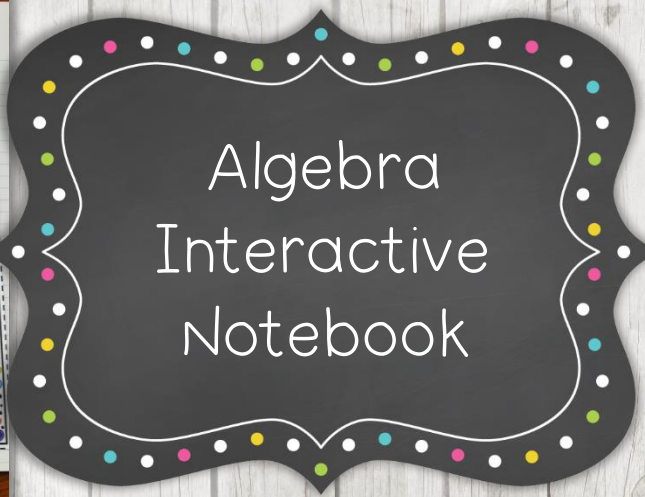Surface Area
$$2 \cdot l \cdot w + 2 \cdot l \cdot h + 2 \cdot w \cdot h$$

Volume is in cubic units!

If you like this cheat sheet then please check out my other resources!

(Click on the pictures)

You'll love them!!!
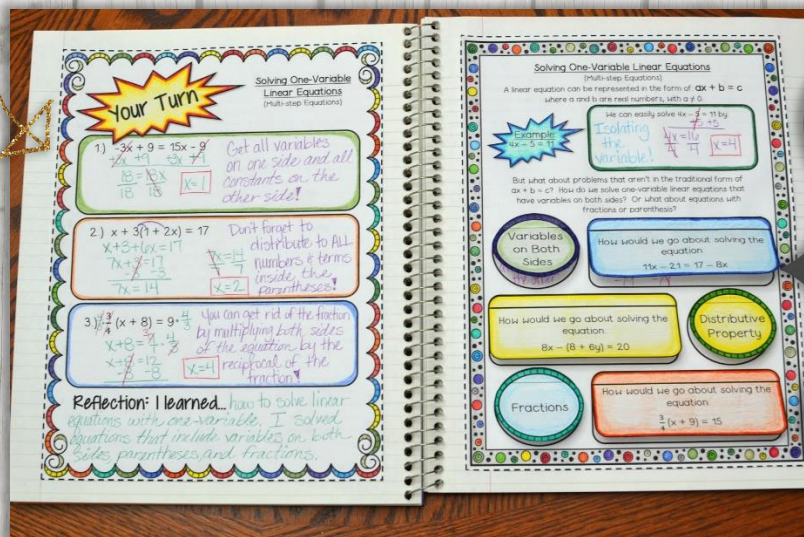
Algebra Interactive Notebook
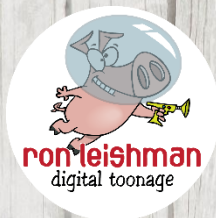
Pre-Algebra Interactive Notebook

Slope Wheel Foldable

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