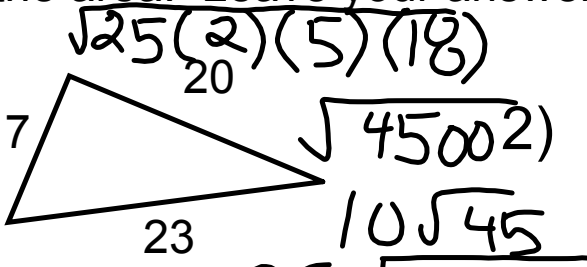
Warm-up

Find the area. Leave your answers in simplest radical form.

1)



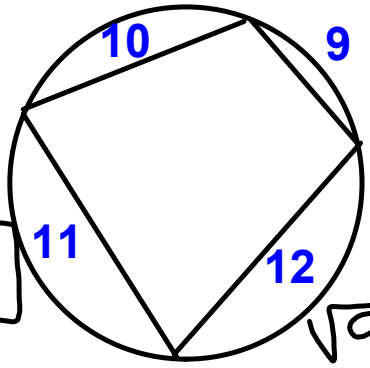
$\sqrt{25(2)(5)(18)}$

$\sqrt{4500}$

$10\sqrt{45}$

$30\sqrt{5}$

P: 150 S: 25



P: 42

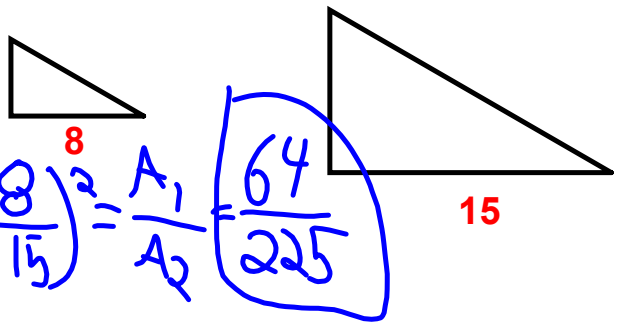
S: 21

$\sqrt{9 \cdot 10 \cdot 11 \cdot 12}$

$\sqrt{11880}$

$6\sqrt{330}$

3) Find the ratio of the areas of the similar triangles.



$\frac{A_1}{A_2} = \left(\frac{s_1}{s_2}\right)^2$

$\left(\frac{8}{15}\right)^2 = \frac{A_1}{A_2} = \frac{64}{225}$

Video Time!!!

Nissan Rogue and Girl Scout Cookies

Volume

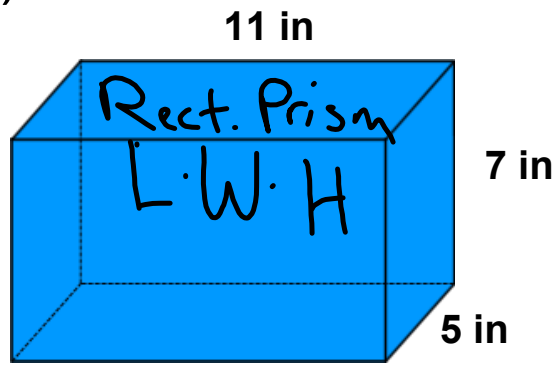
You need your index cards, too :)

Feb 23-4:54 PM

Examples

Find the volume of each figure to the nearest tenth.

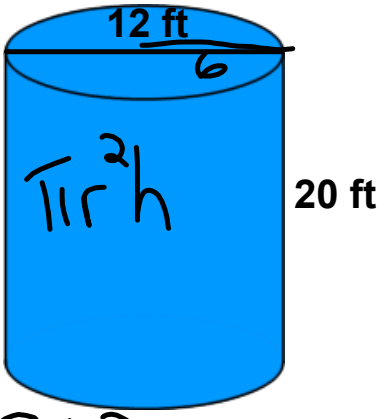
1)



$5 \cdot 7 \cdot 11$

385 in^3

2)

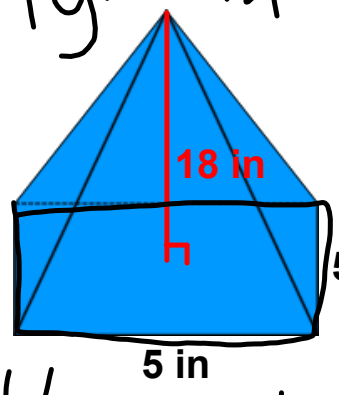


$36 \cdot 20 \cdot \pi$

$720\pi \text{ ft}^3$

Feb 11-1:03 PM

3) Pyramid



3

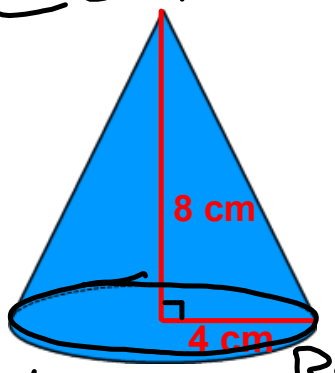
B·L·W

$\frac{1}{3} \cdot B \cdot h$

$\frac{1}{3}\ 25 \cdot 18$

$150 in^3$

4) Cone



$B = \pi r^2$

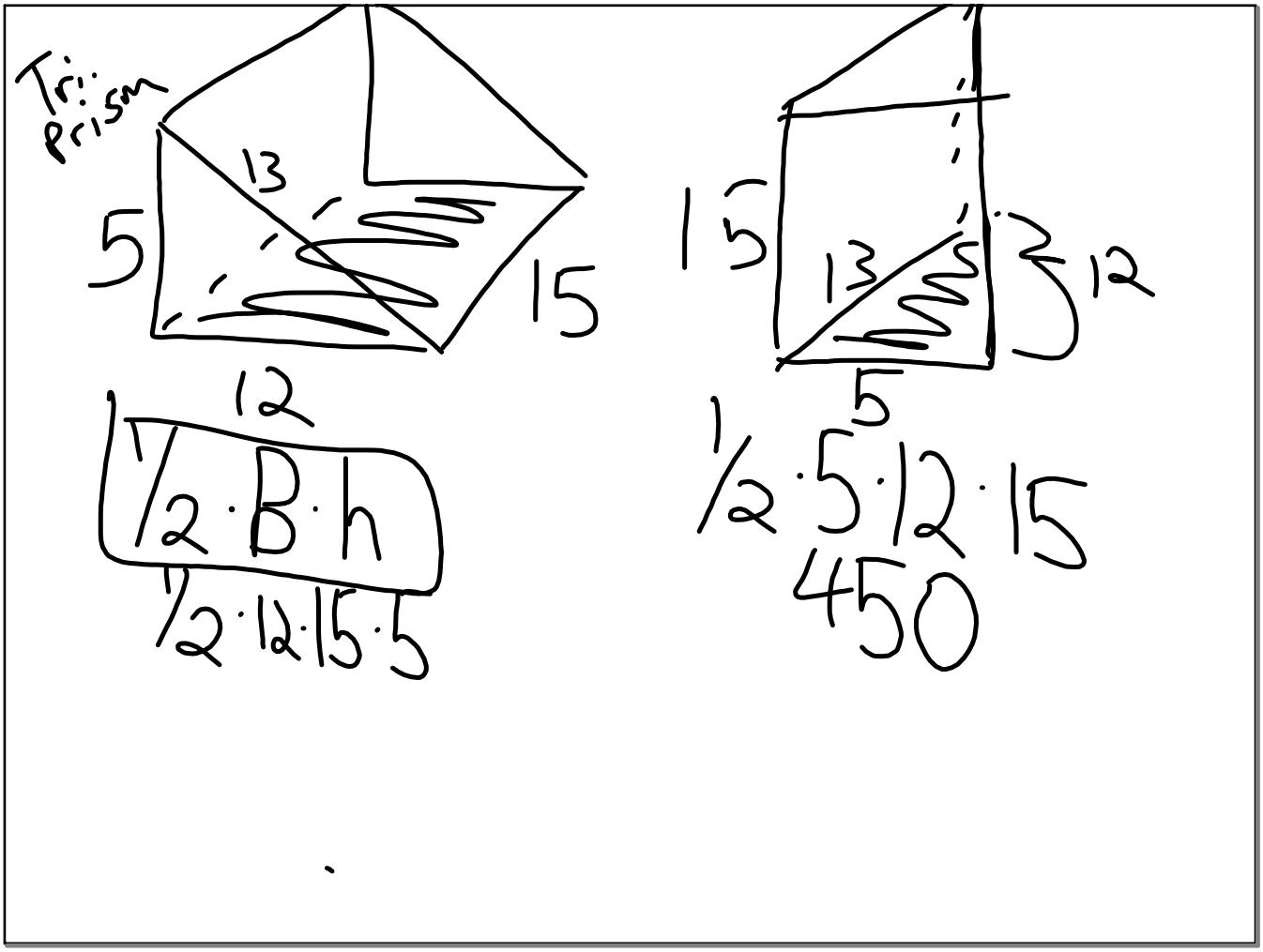
$\frac{1}{3} \cdot B \cdot h$

$\frac{1}{3}\ 16 \cdot \pi \cdot 8$

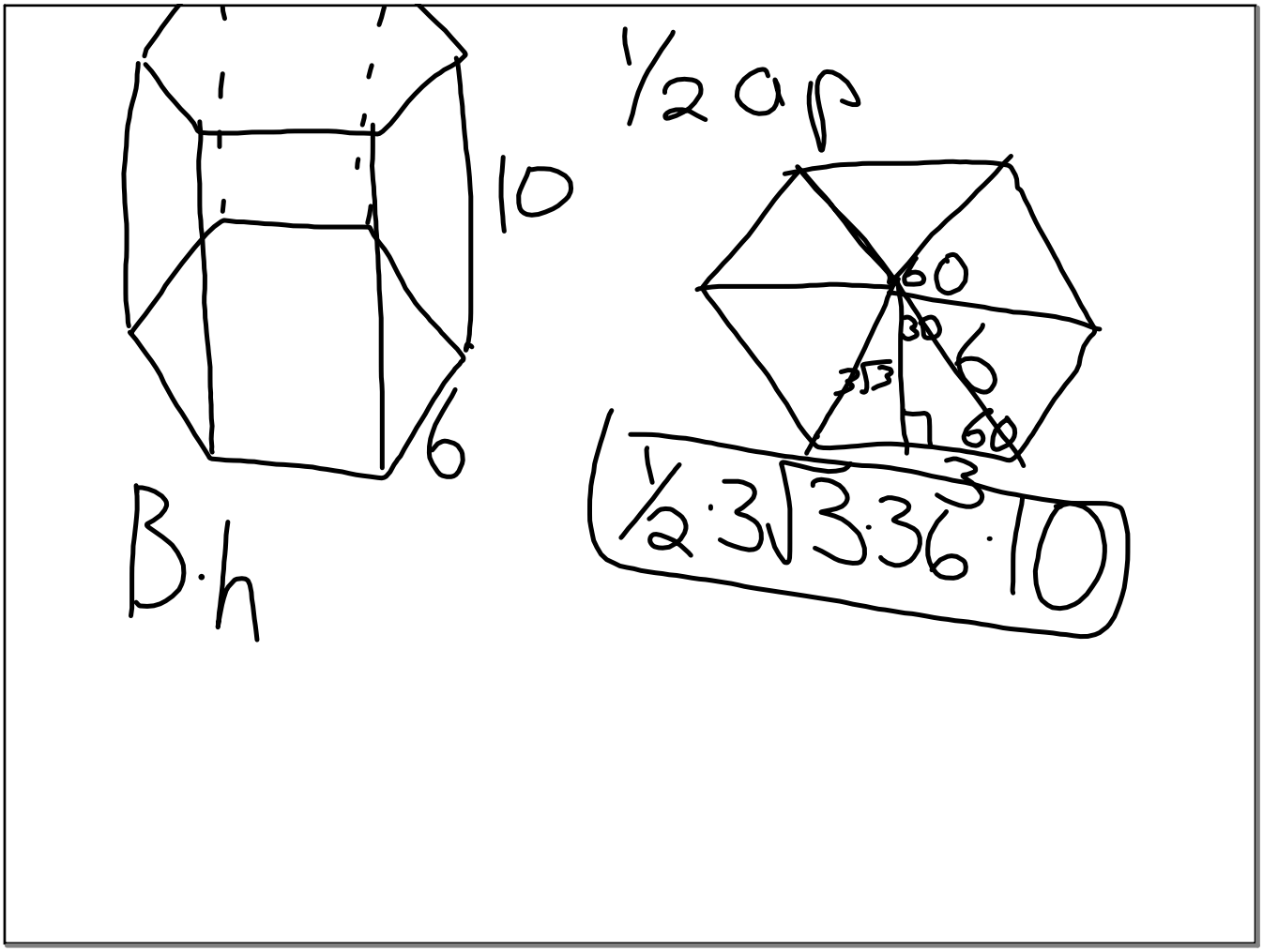
$\frac{1}{3}\ 128\pi$

$42\frac{2}{3}\pi\ cm^3$

Feb 11-1:11 PM



Feb 27-2:40 PM



Feb 27-2:45 PM

Classwork / Homework

p. 579 #1, 3 - 6 (Volume ONLY), 10a, 12 - 14, 16, 17a

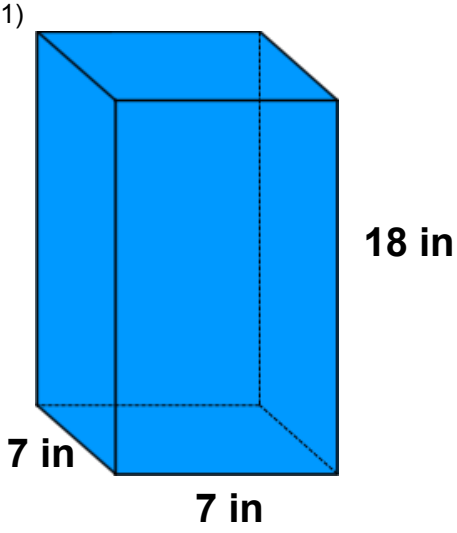
p. 585 #1, 2, 3a, 4, 5a, 6 - 9

Feb 11-1:12 PM

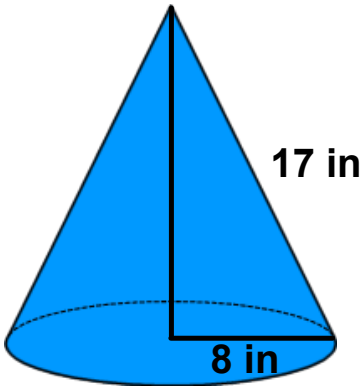
Exit Slip

Find the volume.

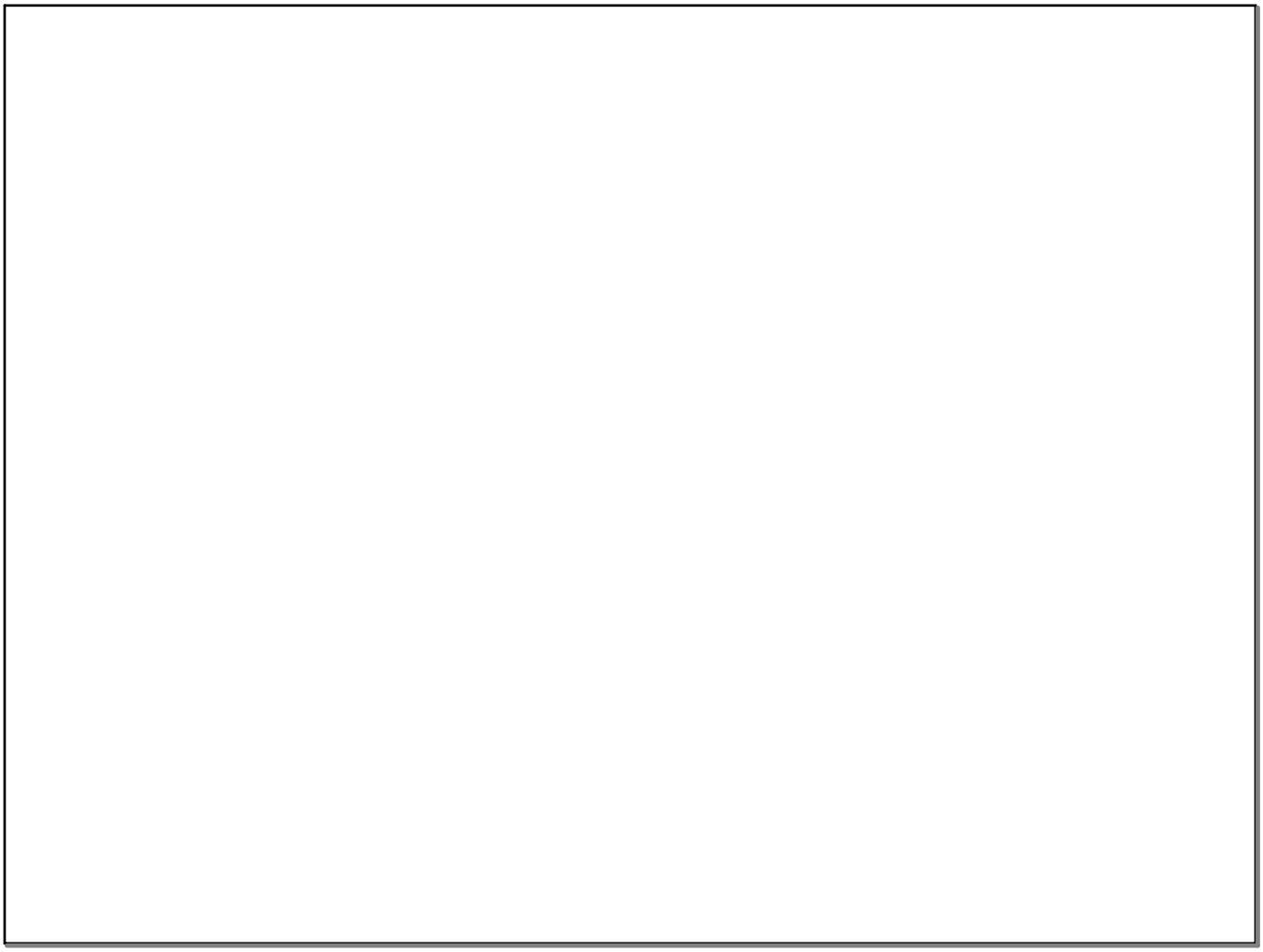
1)



2)



Feb 11-3:33 PM



Feb 13-11:19 AM