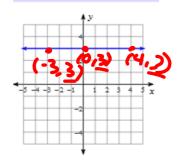
Tuesday, May 23

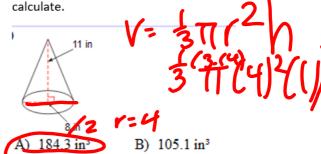
1. What is the equation of the line?



A)
$$x = 3$$
 C) $y = x + 3$
B) $y = 3$ D) $y = -x + 3$

Chromebook collection tomorrow

2. Find the volume of the cone. Use the pi button to calculate.



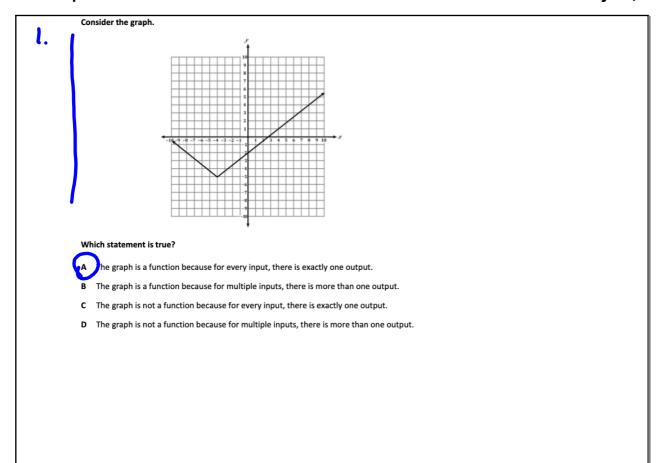
D) 92.2 in³

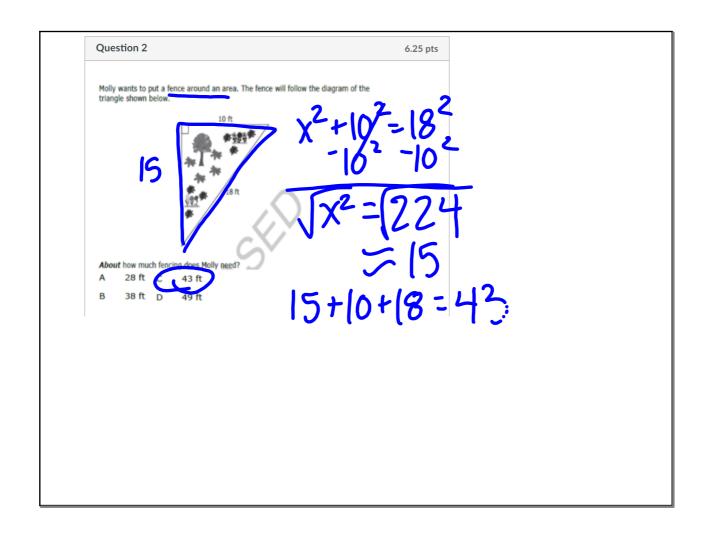
Flocabulary Volume rap

Reminder about EOG Calculator

EOG Prep 2 Quiz found in Canvas.







6.25 pts

Question 3

Which expression is equivalent to 32?

$$0 \text{ A. } 4^{2} \times 4^{1} = 4^{3} = 4 \cdot 4 \cdot 4 = 64$$

$$(B)_{\frac{2^{3}}{2^{-2}}} \quad \frac{2^{3}2^{2}}{2^{3}} = 2^{5} = 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 \cdot 2 = 32$$

$$\circ c. \frac{2^{5}}{2^{2}} 2^{5-2} = 2^{3} = 2 \cdot 2 \cdot 2 = 8$$

O D.
$$\frac{4^3}{4^2}$$
 43-2-4

Question 4 6.25 pts

Consider the table of values.

Input	Output
-5	4
-1	0
8	0
1	7
3	11

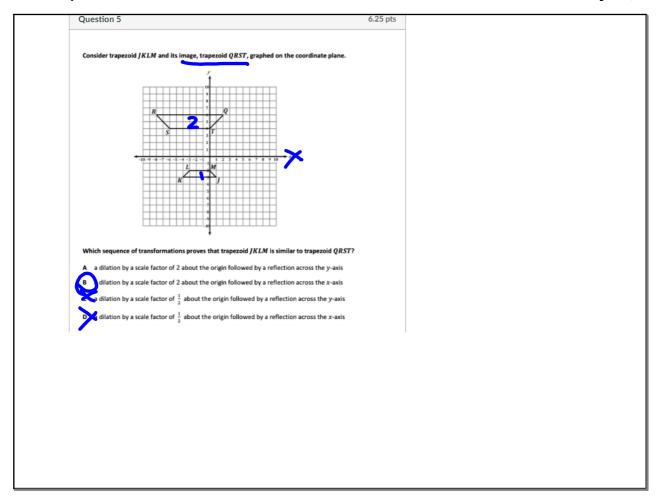
For which value of \boldsymbol{x} will the table of values represent a function?

$$A \quad x = -5$$

$$B \quad x = 0$$

$$C \quad x = 1$$

D x = 3



Alexa earns approximately 2.6×10^5 dollars per year. Lauren earns approximately 6.8×10^4 dollars per year. **About** how many times more dollars does Alexa earn than Lauren?

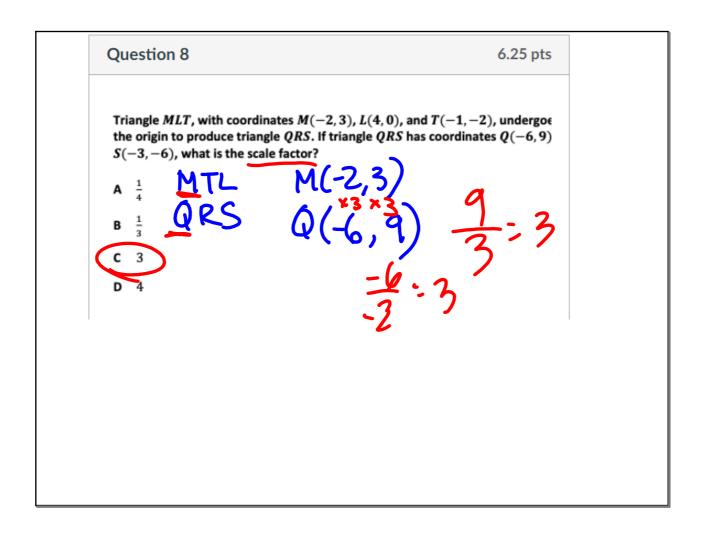
A 2.6

B. 3.8

C. 26

D. 38 $\frac{2.6 \cdot 10^{\frac{5}{2}}}{6.8 \cdot 10^4}$ = 3.82352941176

Question 7	6.25 pts	
Which table shows a nonlinea	r relationship? C x y -1 6	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 3 -2 -4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c cccc} & x & y \\ \hline & 0 & 0 \\ \hline & 1 & 1 \\ \hline & 2 & 4 \\ \hline & 3 & 9 \end{array} $	



Question 9

6.25 pts

d=2.5/r=1.29 A cement company is making 8 solid-cement spheres. Each sphere has a diameter of 2.5 ft.

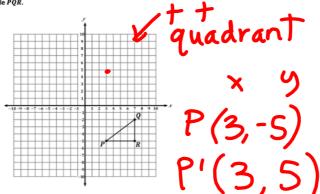
Approximately how much concrete is needed to make all 8 spheres?

C. 62.8 ft³



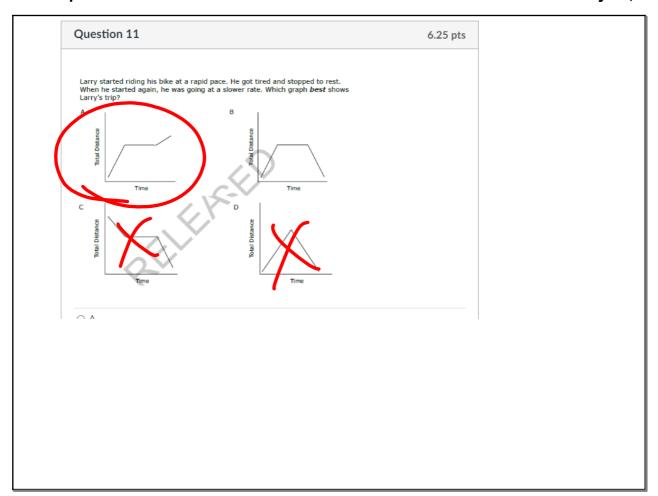


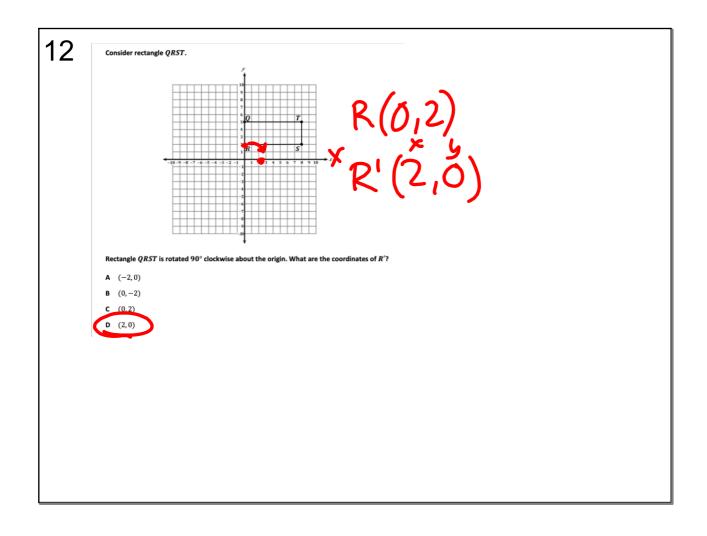
Consider triangle PQR. 10

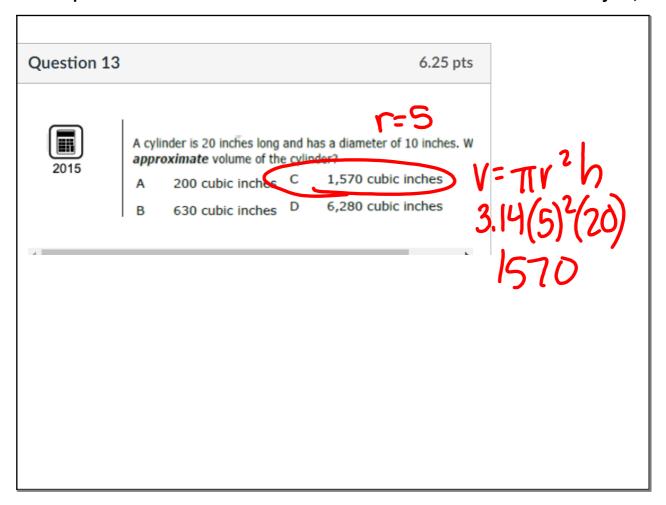


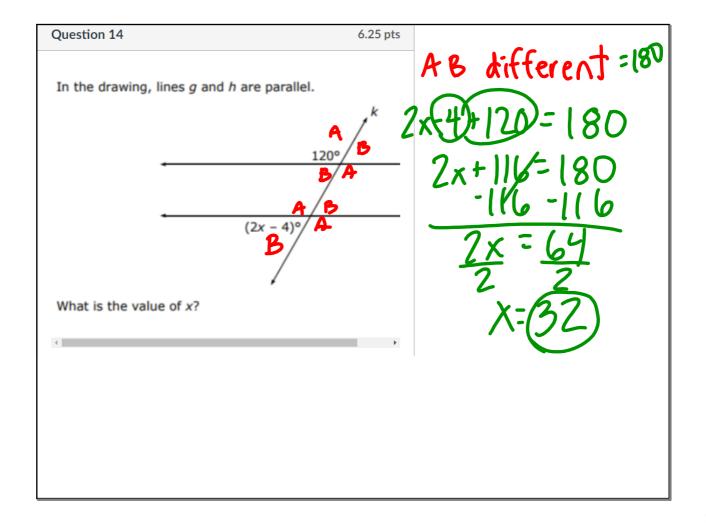
If triangle PQR undergoes a reflection across the x-axis, who vertices of the transformed triangle?

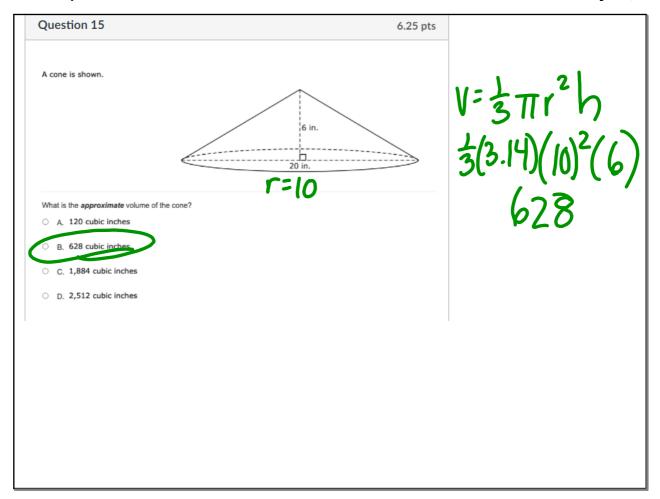
- (-3, -5), (-7, -2), and (-7, -5)
- (-3,5), (-7,2), and (-7,5)
- **D** (3,5), (7,2), and (7,5)

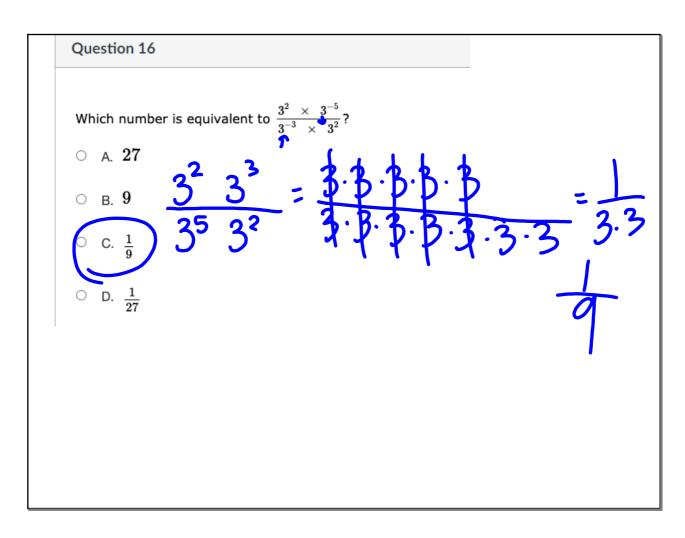












EOG Prep 2.notebook	May 23, 2023