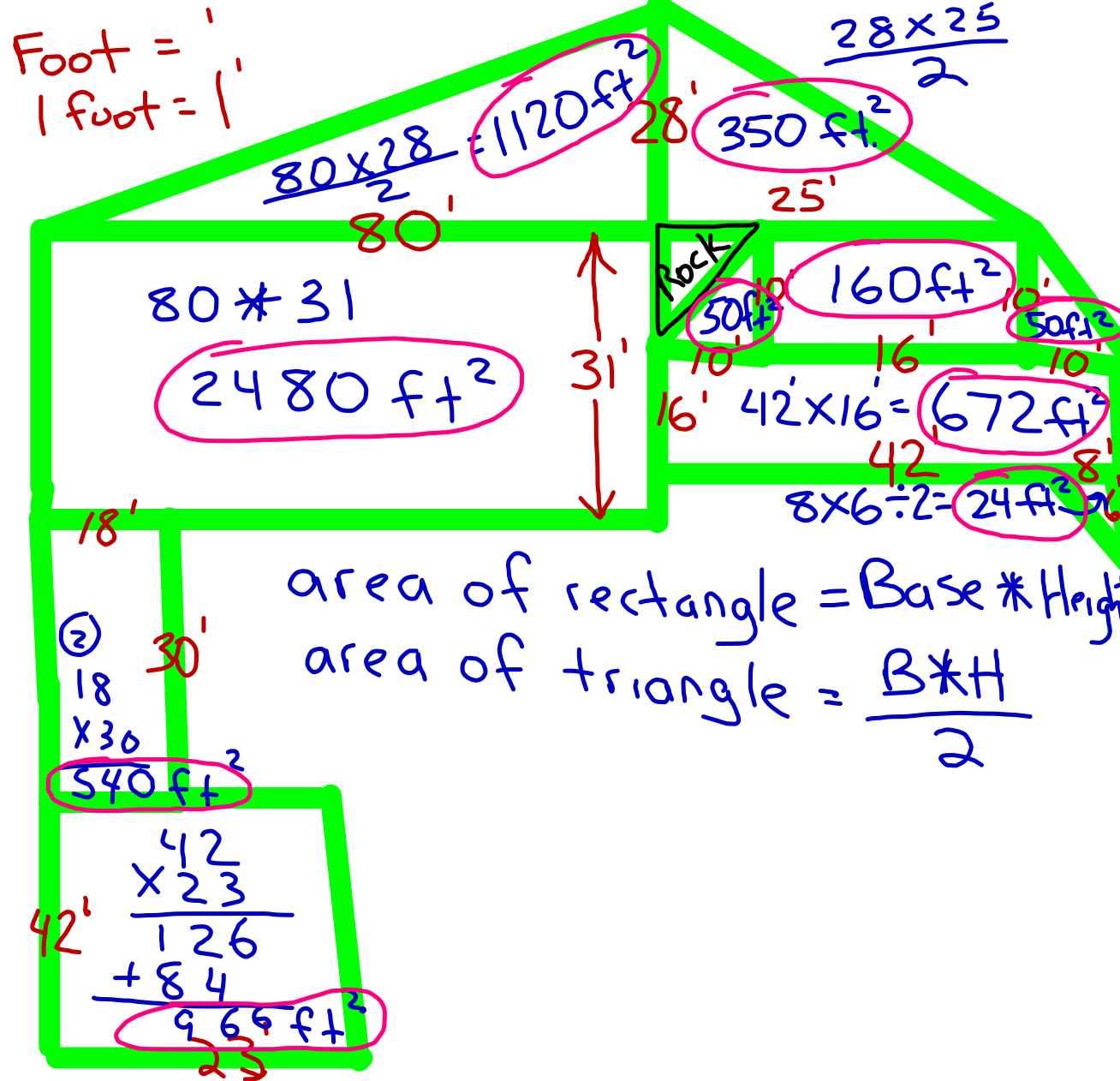


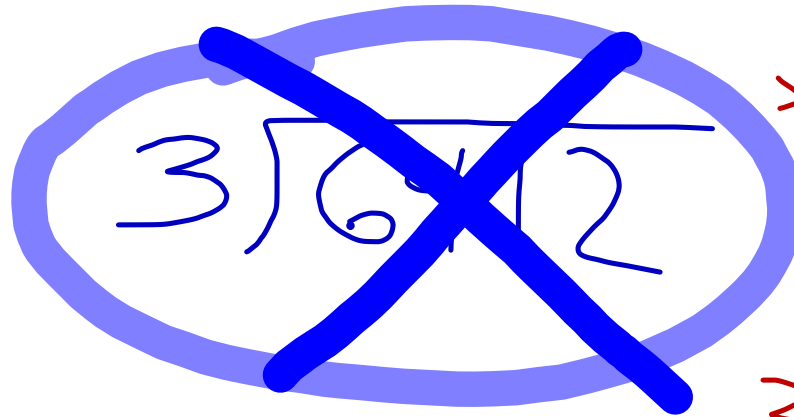
Square Footage of Mr. Kramer's Backyard -



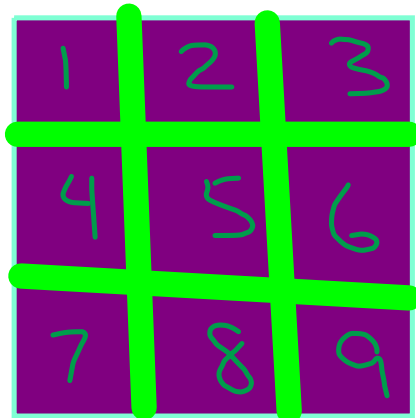
Add all of the
sections (columns should
 be linear

	③	⑤	①	
	1	1	2	0
	3	5	0	
		5	0	
		5	0	
	1	6	0	
	6	7	2	
		2	4	
	2	4	8	0
		5	4	0
+		9	6	6
	<hr/>			
	6	4	1	2 ft ²
	<hr/>			
	<hr/>			

How many square yards (yd^2) is Mr. Kramer's Backyard?



* a square yard does not have 3 square feet



1 yd.

$$1 \text{ yd.} = 9 \text{ ft}^2$$

(next page)

$$\begin{array}{r}
 712 \text{ r } 4 \\
 9 \overline{) 6412} \\
 \underline{- 63} \downarrow \\
 11 \downarrow \\
 \underline{- 9} \downarrow \\
 22 \downarrow \\
 \underline{- 18} \\
 4
 \end{array}$$

$$712 \frac{4}{9} \text{ yds}^2$$

* if bags of earth covered 1 yd^2 each, how many bags would I need to cover $712 \frac{4}{9} \text{ yds}^2$?

713 bags

* If each bag costs \$4, how much money will I need?

$$\begin{array}{r}
 713 \\
 \times 4 \\
 \hline
 2852
 \end{array}$$

$$\begin{array}{r}
 713 * 2 * 2 \\
 1426 * 2 = 2852
 \end{array}$$

Practice

1) Draw a map of your backyard.

2) Divide sections into rectangles and triangles.

* when your parents find the approx. square footage of your yard, they will not waste \$ buying extra material (seed, fertilizer, etc.); maybe they will share some of the \$ saved, or give it to charity.