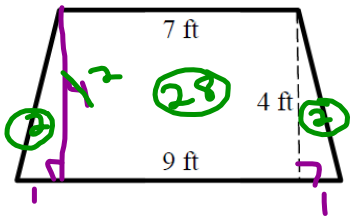
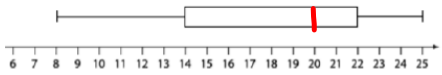
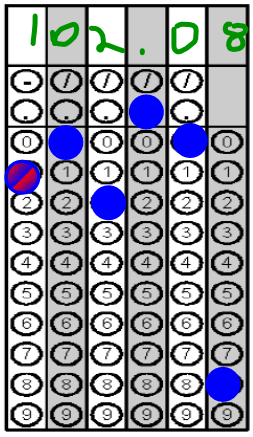
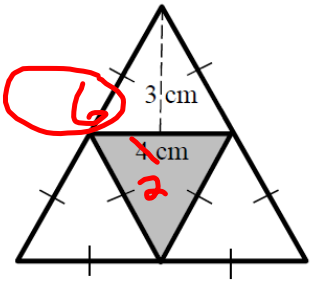
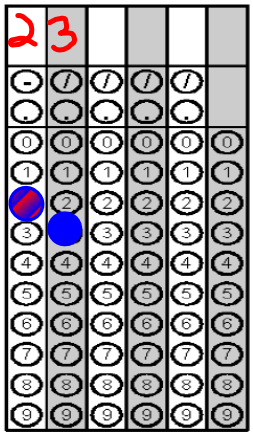
5/16/16 CCM6

1. Write in agenda...HW is EOG SP questions due Mon...RETEST Units 12-13 is WED!
2. Turn in your table's warm-ups (Q4 Week6)

   Complete the Mon and Tues WITH CALC
3. Tests will be returned tomorrow.

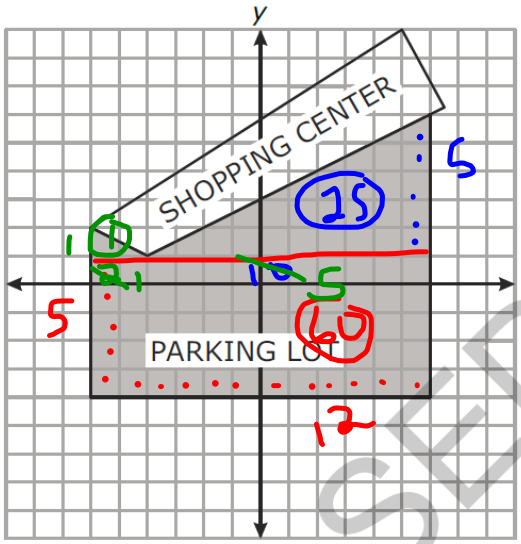
CCM6 - Quarter 4 - Week 7

	Problem 1	Problem 2	Gridded Response
Monday 3.19 x32 $102.08	The Gupta family wants to retile a closet in the shape of a trapezoid. If the tile costs $3.19 per square foot, how much will it cost?  	The boxplot below shows the number of albums owned by students in Mrs. Robinson's third period class. What is the median number of albums owned?  20	Problem 1 
Tuesday	Find the area of the shaded region.  	If the mode of this set of data is 23, what is the value of m? $\{4, 20, 25, 23, 17, 21, m\}$ 23	Problem 2 

Question	Answer
*28	B
*29	A
*30	A
*31	A
*45	
46	E
*47	B
*48	B

GRADE 6 MATHEMATICS—RELEASED FORM

28 The shaded area indicates the parking lot at a shopping center.



What is the total area of the parking lot?

A 72 units^2

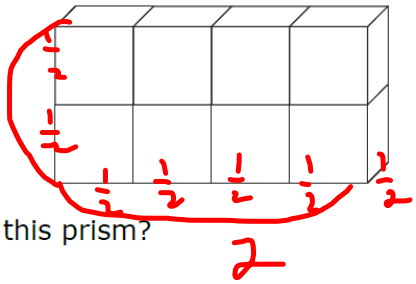
B 86 units^2

C 91 units^2

D 120 units^2

GRADE 6 MATHEMATICS—RELEASED FORM

29 The right rectangular prism below is made up of 8 cubes. Each cube has an edge length of $\frac{1}{2}$ inch.



What is the volume of this prism?

A 1 cubic inch

B 2 cubic inches

C 4 cubic inches

D 8 cubic inches

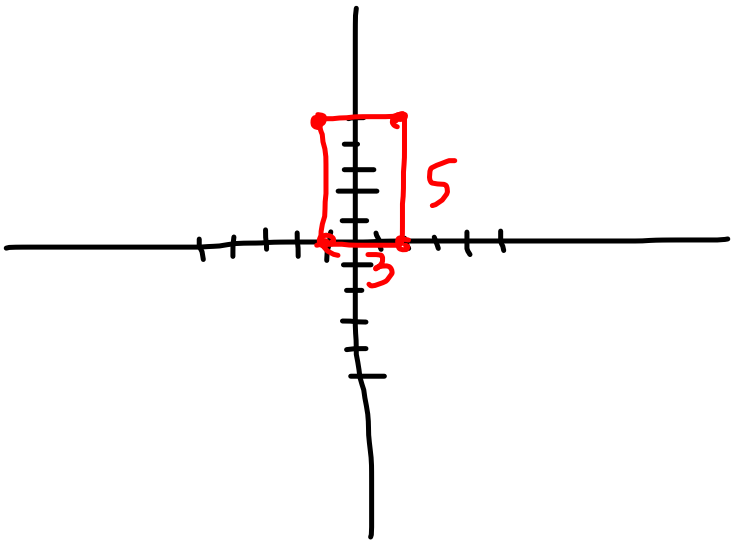
30 What is the area of the quadrilateral with vertices at $(^{-}1, 0)$, $(2, 0)$, $(2, 5)$, and $(^{-}1, 5)$?

A 15 square units

B 12 square units

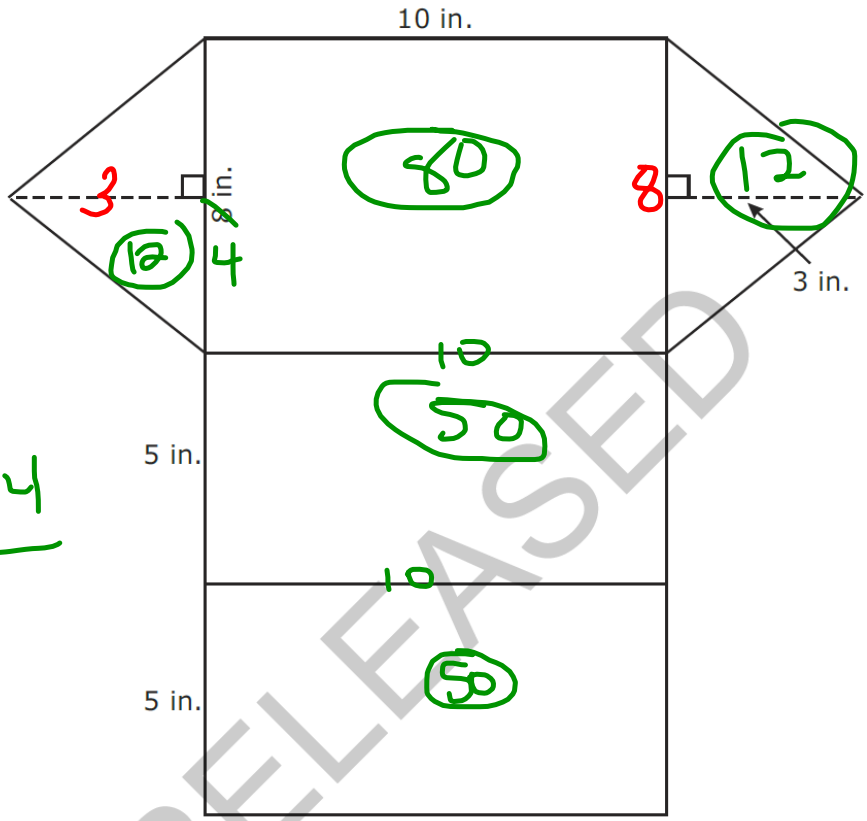
C 10 square units

D 5 square units



GRADE 6 MATHEMATICS—RELEASED FORM

31 The net of a triangular right prism is shown below.



What is the surface area of the prism?

A 204 in.^{2}

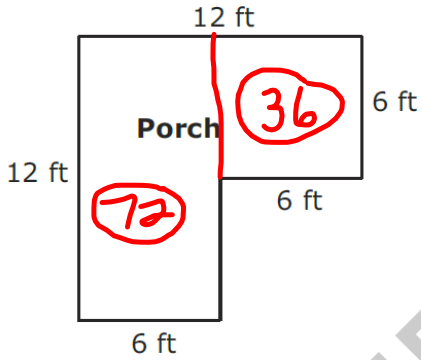
B 228 in.^{2}

C 240 in.^{2}

D 288 in.^{2}

GRADE 6 MATHEMATICS—RELEASED FORM

45 The Wilsons want to put outdoor carpet on their porch.



How much carpet will be needed for their porch?

A 42 ft^2

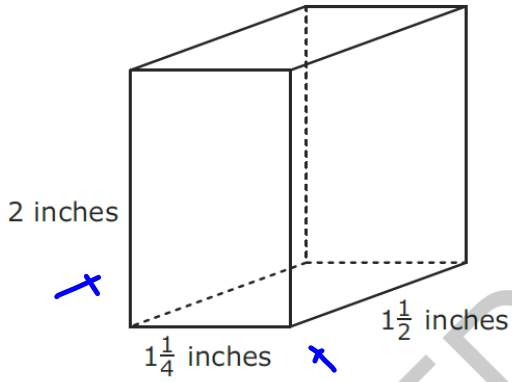
B 72 ft^2

C 108 ft^2

D 144 ft^2

GRADE 6 MATHEMATICS—RELEASED FORM

46 What is the volume of the right rectangular prism below?



A $4\frac{3}{4}$ cubic inches

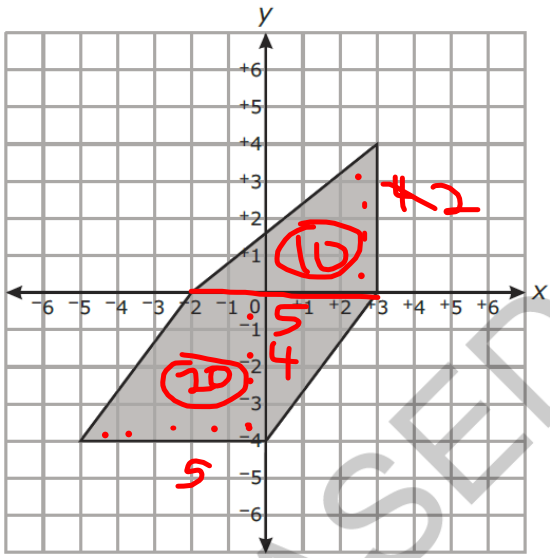
B $4\frac{1}{8}$ cubic inches

C $3\frac{3}{4}$ cubic inches

D $2\frac{1}{8}$ cubic inches

GRADE 6 MATHEMATICS—RELEASED FORM

47 In the graph below, each grid square represents one square yard.



What is the area of the shaded figure?

A 20 yd^2

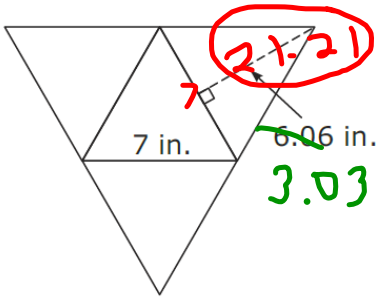
B 30 yd^2

C 36 yd^2

D 40 yd^2

GRADE 6 MATHEMATICS—RELEASED FORM

48 Abby is making a decoration. When folded, the decoration is a triangular pyramid made of four congruent equilateral triangles. ***Approximately***, what is the surface area of Abby's decoration?



A 64 in.^{2}

B 85 in.^{2}

C 97 in.^{2}

D 170 in.^{2}

Whole 6th grade Field Day June 8

You can't have:

1. Any days in OSS
2. 3 days in ALC

. EOG REVIEW SESSIONS...

8th period

Room 2139 (Here!)

Start Wed-NS, Thurs-EE, Fri-RP

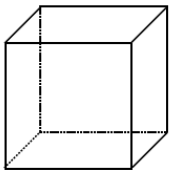
Mon-G, Tues-SP, Wed-You Choose

EOGs BEGIN May 26

CCM6 Quarter 4 Cumulative Review (Units 12 and 13) Name _____

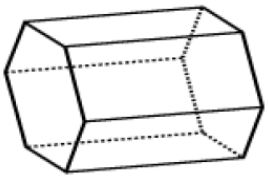
Unit 12

1) Name the shape and identify the number of faces, edges, and vertices on the solid figure below.



Shape name: cube F: 6 E: 12 V: 8

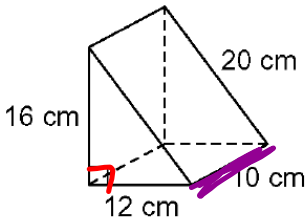
2) Name the shape and identify the number of faces, edges, and vertices on the solid figure below.



hexagon

Shape name: prism F: 8 E: 18 V: 12

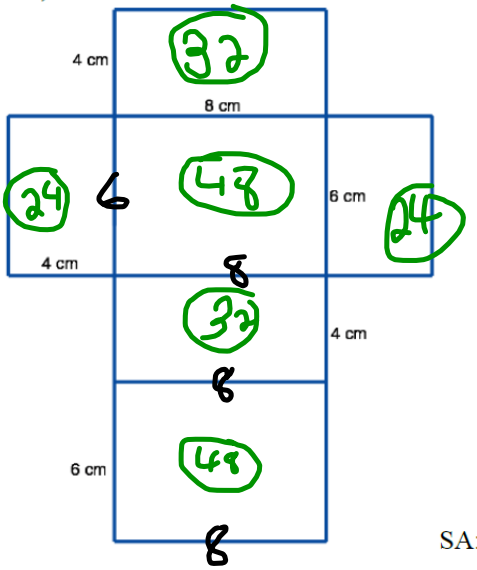
3) Name the shape and find the surface area and volume.



triangular

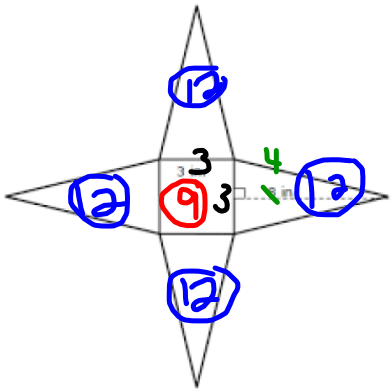
Shape: prism SA: 672 cm^2 Volume : 960 cm^3

4) Find the surface area of the net.



SA: 208 cm^2

5) Find the surface area of the **square** pyramid.



SA: 57 in^2

6) Find the volume of the rectangular prism with length 4.4 inches, width 2.2 inches, and height 5 inches.

$l \cdot w \cdot h$

V= 48.4 in^3

7) Tommy bought a rectangular trunk that has a length of 5 feet, a width of 4 feet, and a height of 2 feet.
Find the volume of Tommy's trunk. Show your work.
Now find the surface area of Tommy's trunk. Show your work.

$5 \cdot 4 \cdot 2$

$5 \times 4 \times 2$

$2(20 + 8 + 10)$

$2(38)$

V= 40 ft^3

SA = 76 ft^2

8) A rectangular prism has a volume of 36 in^3.
Name two different sets of possible dimensions for this rectangular prism.
One of your answers must have a fraction as one dimension.

V= 12 x $\frac{1}{2}$ x 6

V= 36 x 1 x 1

$9 \times 4 \times 1$

$\frac{1}{2} \times 4 \times 18$

$3 \times 3 \times 4$

$\frac{1}{2} \times 72 \times 1$

9) A cube has dimensions 2 ½ in by ½ in by 3 ½ in.
How many cubes with an edge length of ½ in will fit inside?

$\frac{5}{2} \times \frac{1}{2} \times \frac{7}{2} = 35$ cubes