1. Simplify EACH expression:

2. Determine if EACH statement is TRUE or FALSE.

A D

B E

C F

3. The formula for area of a square is A = s2 , where

“s” is the length of one side of the square.

Ms. Sailor is putting new carpet in her home

office. The room is a square with a side length of

12 ft. How much carpet is needed for the room?

4. The formula for volume of a cube is V = s3 , where

“s” is the length of one side of the cube.

Mrs. Lafayette built a toy box for her grandson. It

is a cube with a side length of 5 ft. What is the

volume of the toy box?

5. Which expression is equivalent to ?

A C

B D

6. Simplify:

7. Simplify:

8. Simplify:

9. Simplify:

10. Simplify:

11. Identify the step where an error first appears.

STEP 1

STEP 2

STEP 3

STEP 4

12. Identify the step where an error first appears.

STEP 1

STEP 2

STEP 3

STEP 4

13. Write TWO equations for EACH figure below.









14. Which arrangements of small squares can

be used to model a large square that

represents ?

A 2 rows of 32 squares

B 8 rows of 8 squares

C 4 rows of 16 squares

D 7 rows of 7 squares

15. Which model does NOT represent 32?

C

A



3

3

3

D

B



3

3

16. Determine if EACH statement is TRUE or FALSE.

A

B

C

D

E

F

17 . Simplify:

18. Simplify:

19. Simplify:

20. Simplify:

21. Simplify:

22. Simplify: