



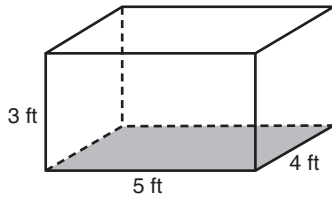
Name _____ Date _____

Use Formulas

TAKS Objective 4
TEKS 5.10B, 5.10C, 5.14B

Use the formulas for area, and volume to solve Problems 1–6.

- Sam built this frog tank. What formula should he use to determine how much green liner is needed to cover the bottom of the tank?



- A refrigerator is 70 inches high and 36 inches wide. What formula is needed to determine how much space there is inside a refrigerator? Can you determine the answer?

- A swimming pool is 50 meters in length and 25 meters in width. It has a depth of 1.5 meters for 30 meters of the length and a depth of 3 meters for 20 meters of the length. What is the volume of the pool?

- What formula is needed to determine how much water will be needed to fill the tank in Problem 1?

- Store-It Storage offers a storage unit with 2,000 cubic feet of room. The ceiling is 8 feet high and the width of the stall is 10 feet. What is the length?

- If the swimming pool in Problem 5 had an average depth of 3 meters for the entire length of the pool, how much more volume would the pool have?
