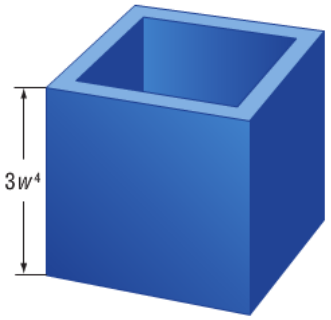
NAME _____ DATE _____ PERIOD _____

Powers of Monomials Class Activity

1. SMART PHONES A magazine offers a special service to its subscribers. If they scan the square logo shown using their smart phone, they can receive special offers from the magazine. Find the area of the square logo.

ANSWER: $49a^8b^2$

2. Tamera is decorating her patio with a planter in shape of a cube like the one shown. Find the volume of the planter.



a.) How could you write an expression for this question?

b.) How could you write the expression in expanded form?

c.) What happened to the coefficient?

d.) What happened to the bases?

e.) How did you use the product law to get your answer?

f.) Is there a short cut?

g.) How could you write an expression for this question?

h.) How could you write the expression in expanded form?

i.) What happened to the coefficient?

j.) What happened to the bases?

k.) How did you use the product law to get your answer?

l.) Is there a short cut?