

Name _____

Date _____ Pd _____

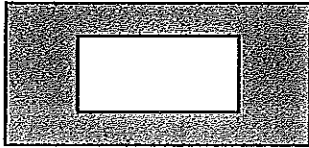
DO WE SEE COMPOSITES IN REAL LIFE?

Mr. and Mrs. Harper are planning to install a deck and a garden. Help them determine which of the two choices below is most cost efficient. The deck is shown in gray; the garden is shown in white.

PLAN A

Deck measures 18 feet by 25 feet.

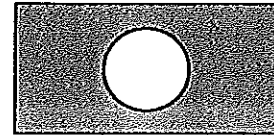
Garden measures 9 feet by 12 feet.



PLAN B

Deck measures 16 feet by 20 feet.

Garden has a radius of 5 feet.



1. What is the area of the garden in plan A? Plan B?
2. What is the area of the deck in plan A? Plan B?
3. If it costs \$4.20 per square foot to install the deck, what is the cost for plan A? Plan B?
4. If it costs \$1.40 per square foot to install the garden, what is the cost for plan A? Plan B?
5. Which plan is less expensive? By how much?