A Weekend of House Remodeling

Math 1

Ms. Childers
Joe and Julian are going to dig some holes to get rid of tree stumps.

1) Determine the area of each hole (A-F). Show all work.
2) Find total area of yard before holes are dug.
3) Find total area of holes dug.
4) Find the fraction of the yard dug up.
5) If Joe does 1/5 of the work and Julian does 4/5 of the work. How much area does each one dig?

*Note – Image not to scale.
Joe and Julian have decided to put new floors in Joe’s house. Room C will be hardwood at $4.56/ square foot. Rooms D & E will be carpet at $1.34/square foot.

1) If room A uses 18”x18” tiles at $4.27 per tile and room B uses 12”x12” tiles at $3.53 per tile. Which room will be more expensive to put tile in?

2) What is the cost per room for putting in new flooring?

* Note – Image not to scale.
It’s time to put up the crown molding!!

1) Find out how much crown molding (the perimeter) you need in rooms A-E.
2) Crown molding is $2.32 per foot. What is the cost of your crown molding?

* Note – Image not to scale.
Guidelines

• Start each problem set on a new page.
• Staple your work in same order as problems.
• State any formulas used as you use them.
• Show every step.
• Create your own drawing for the floors and crown molding steps. You may break the original drawing apart into separate drawings to show your work.
  – For the floor set, draw in the tiles for the tiled rooms.
• Incomplete projects receive no credit.
• Due 05-03-19.
• Absolutely no late assignments accepted. No exceptions.