**Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Comparison of Traditional**

**Building Materials and Sustainable Alternatives**

**Pick 3 of the following for your Traditional Examples:** Red Oak, Oak, Maple, Cherry, Birch, Lyptus, Elm, Hickory, Mahogany

***Traditional Hardwood Flooring Options Sustainable Alternative Flooring Options***

**Red Oak Finished Hardwood Flooring Bamboo Finished Hardwood Flooring**

**#1** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **#1** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**#2** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **#2** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Maple Finished Hardwood Flooring Cork Finished Hardwood Flooring**

**#1** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **#1** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**#2** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **#2** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Cherry Finished Hardwood Flooring Linoleum Wood Flooring**

**#1** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **#1** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**#2** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **#2** Distributor or Store: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Cost per Square Foot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Is there a warranty? If so, how long? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What would you suggest?**

**Read each of the following scenarios below and calculate the cost of one traditional hardwood flooring option and one sustainable alternative. After calculating each, circle the name of the product you would suggest the consumer uses, then write a brief explanation of why you suggest this material.**

**EXAMPLE:**

Brad and Mary want to take out the carpet in their 5’X4’ guest bathroom of their ranch style home. Although they would like to go with an eco-friendly alternative if possible, cost really is the bottom line for Brad and Mary. Here are the two options they would like you to research and calculate for them.

**Maple Hardwood Flooring vs. Maple Laminate Flooring**

Cost per square foot: *\_\_\_\_\_$2.35*\_\_\_\_ Cost per square foot: *\_\_\_\_$1.56*\_\_\_\_

Square feet needed: \_\_\_\_\_\_*20*\_\_\_\_ Square feet needed: \_\_\_\_\_\_*20*\_\_\_\_

 (5 X 4 = 20) (5 X 4 = 20)

Cost to replace floor: *\_\_\_\_\_$47.00*\_\_\_ Cost to replace floor: *\_\_\_\_\_$31.00*\_\_\_

 (2.35 X 20 = 47) (2.35 X 20 = 47)

**Scenario #1**

Eric and Kristen are remodeling their kitchen. Currently they have tile floors but would like to have a seamless kitchen floor instead. What are two dark stain options that you might suggest for Eric and Kristen to consider, one being a traditional solid wood floor and another a sustainable alternative? Their kitchen measures 8’ by 12’.

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Cost per square foot: *\_\_\_\_\_\_\_\_\_\_\_\_*\_\_\_ Cost per square foot: *\_\_\_\_\_\_\_\_\_\_\_*\_\_\_\_

Square feet needed: \_\_\_\_\_\_*\_\_*\_\_\_\_\_\_\_\_ Square feet needed: \_\_\_\_\_\_*\_\_\_\_\_\_*\_\_\_\_

Cost to replace floor: *\_\_\_\_\_\_\_\_\_\_\_\_*\_\_\_ Cost to replace floor: *\_\_\_\_\_\_\_\_\_\_\_\_\_*\_\_

Website(s) used: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**After circling which option you suggest, explain below why you suggest this option for this family.**

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**Scenario #2**

Patrick and Kaley have a large open floor plan in the home they are currently building. They would like to have their entire first story floored with a light colored solid hard wood floor, they would like to use a sustainable material but are very adamant in not using laminate flooring. Cost is not the main factor in their choice, sustainability of the materials used in their new home is a high priority. Find Patrick and Kaley two sustainable options for covering their space. The first floor of their home measures approximately 25’ by 45’.

(Scenario #2 continued on back page)

**Scenario #2 (continued)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ vs. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Cost per square foot: *\_\_\_\_\_\_\_\_\_\_\_\_*\_\_\_ Cost per square foot: *\_\_\_\_\_\_\_\_\_\_\_*\_\_\_\_

Square feet needed: \_\_\_\_\_\_*\_\_*\_\_\_\_\_\_\_\_ Square feet needed: \_\_\_\_\_\_*\_\_\_\_\_\_*\_\_\_\_

Cost to replace floor: *\_\_\_\_\_\_\_\_\_\_\_\_*\_\_\_ Cost to replace floor: *\_\_\_\_\_\_\_\_\_\_\_\_\_*\_\_

Website(s) used: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**After circling which option you suggest, explain below why you suggest this option for this family.**

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**Scenario #3**

Kelly is a single first time homeowner. The small one bedroom home Kelly has recently purchased needs some updating, particularly the bathrooms. She has two bathrooms she could like to update, each measures 5’ by 6’. She would like to use the same flooring for both bathrooms. Kelly has not done any looking yet at flooring options but would like a wood floor that has a modern look to it, she is not particular about the type of wood used but budget is by far her priority. Can you find two affordable options for Kelly, at least one of which would give her a sustainable option?

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Cost per square foot: *\_\_\_\_\_\_\_\_\_\_\_\_*\_\_\_ Cost per square foot: *\_\_\_\_\_\_\_\_\_\_\_*\_\_\_\_

Square feet needed: \_\_\_\_\_\_*\_\_*\_\_\_\_\_\_\_\_ Square feet needed: \_\_\_\_\_\_*\_\_\_\_\_\_*\_\_\_\_

Cost to replace floor: *\_\_\_\_\_\_\_\_\_\_\_\_*\_\_\_ Cost to replace floor: *\_\_\_\_\_\_\_\_\_\_\_\_\_*\_\_

**After circling which option you suggest, explain below why you suggest this option for this family.**

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