



Pathfinder's Name

Lashing

1. Define lashing and explain its purposes.

2. How can lashing be used in a camping or outdoors setting? Give three examples.

1. _____

2. _____

3. _____

3. What materials are used in lashing?
- a. List types of ropes that are preferred for lashing.

- b. Give the advantages of natural materials over dimensional lumber

4. Demonstrate the following beginning and ending knots:
- a. Timber hitch
- b. Clove hitch
- c. Square knot

Date completed _____

- ❑ 5. What beginning and ending knots are used in the following four types of lashing:
 - a. Square
beginning _____
ending _____
 - b. Shear
beginning _____
ending _____
 - c. Tripod
beginning _____
ending _____
 - d. Diagonal
beginning _____
ending _____
 - e. Continuous
beginning _____
ending _____

- ❑ 6. Explain how to calculate the length and thickness of ropes needed for a project. Demonstrate how to preserve the ends of a cut rope.

Date completed _____

- ❑ 7. Explain the differences between a frap and a wrap.

- 8. Demonstrate how to tie the following five lashings:**
 - a. Square**
 - b. Shear**
 - c. Tripod**
 - d. Diagonal**
 - e. Continuous**

Date completed _____

- 9. Discuss what types of weight loading each diameter of rope can handle depending on the nature of the material.**

- 10. Demonstrate ways to store ropes and wood for later use.**

Date completed _____

- 11. Create at least three of the following items:**
 - a. Chair (must include seat and back)**
 - b. Table (must be able to support 16 lbs. or 2 gallons of water)**
 - c. Tripod for cooking fire**
 - d. Flag pole (must have at least four spars)**
 - e. Ladder (must include six rungs)**

Date completed _____

Lashing, Advanced

- 1. Earn the Lashing honor.
- 2. Demonstrate each of the following lashings:
 - a. Japanese square
 - b. Norwegian square
 - c. Filipino diagonal
 - d. West country round.Date completed _____
- 3. Demonstrate how to end a rope via whipping.
Date completed _____
- 4. Complete a decorative lashing with at least two colors of rope.
Date completed _____
- 5. Research for your area the following for your lashing project:
 - a. Where to legally find spars in nature

 - b. How to properly cut down natural materials and prepare them for usage.

- 6. Discuss how anchors are used in larger lashing projects.

- 7. Know the distance from the structure that anchors should be set for the following conditions:
 - a. Undisturbed ground

 - b. High wind

c. Disturbed ground

d. Loose sand and snow

8. Demonstrate how to do three of the following:

- a. 1-1-1 Picket anchor
- b. 3-2-1 Picket anchor
- c. Log and picket anchor
- d. Dead man's anchor
- e. Fixed anchor.

Date completed _____

9. Explain how to determine how large the diameter of a pole needs to be for the weight of a lashing project.

10. Construct at least two of the following, using only lashing:

- a. Tower
- b. Rope bridge (monkey bridge)
- c. Entryway
- d. Gate
- e. Wood bridge
- f. Raft

Date completed _____

11. Construct one of the following projects with moving parts using only lashing:

- a. Catapult
- b. Lift bridge
- c. Hoist

Date completed _____

Date completed _____

Instructor's Signature _____