

Forest Industry Scenario Team Activity (450 points)

All questions worth 1 point unless otherwise noted.

Total points possible = 100, so multiply raw score times 4.5 for final score

internal note Volumes: 5% range from correct amount

internal note Distances: total= $\pm 3'$ around correct, then ranges 5', 5'

internal note Azimuths: total= $\pm 2^\circ$ around correct, then ranges 2° each

- A
 - 1. Hickory (2pt)
 - 2. 15"
 - 3. 2.0 logs
 - 4. **104**: 89-93 (1pt), 94-98 (2pts), 99-109 (3pts), 110-114 (2pts), 115-119 (1pt)
- B
 - 5. Ash (2pt)
 - 6. EAB or Emerald Ash Borer
- C
 - 7. **302 degrees**: 296-297 (1pt), 298-299 (2pts), 300-304 (3pts), 305-306 (2pts), 307-308 (1pt)
 - 8. **96 ft**: 83-87 (1pt), 88-92 (2pts), 93-99 (3pts), 100-104 (2pts), 105-109 (1pt)
 - 9. **164 degrees**: 158-159 (1pt), 160-161 (2pts), 162-166 (3pts), 167-168 (2pts), 169-170 (1pt)
 - 10. **82 ft**: 69-73 (1pt), 74-78 (2pts), 79-85 (3pts), 86-90 (2pts), 91-95 (1pt)
- D
 - 11. White Oak (2pt)
 - 12. 23"
 - 13. 2.5 logs
 - 14. **417**: 354-374 (1pt), 375-395 (2pts), 396-437 (3pts), 438-459 (2pts), 460-480 (1pt)
- E
 - 15. Red Oak (2pt)
 - 16. 26"
 - 17. 3.5 logs
 - 18. **727**: 618-653 (1pt), 654-690 (2pts), 691-763 (3pts), 764-800 (2pts), 801-836 (1pt)
- F
 - 19. Sugar Maple (2pt)
 - 20. 12"
- G
 - 21. Yellow (Tulip) Poplar (2pt)
 - 22. 29"
 - 23. 3.0 logs
 - 24. **884**: 751-795 (1pt), 796-839 (2pts), 840-928 (3pts), 929-972 (2pts), 973-1017 (1pt)
- H
 - 25. American Beech (2pt)
 - 26. 20"
 - 27. 2.0 logs
 - 28. **242**: 206-217 (1pt), 218-229 (2pts), 230-254 (3pts), 255-266 (2pts), 267-278 (1pt)
- I
 - 29. Black Cherry (2pt)

- J 30. prism or 10 factor prism
31. 90 BA or sq. ft.
- K 32. White Oak (2pt)
33. Butt or Heart Rott
- L 34. Black Oak (2pt)
35. 30"
36. 2.0 logs
37. **703**: 598-632 (1pt), 633-667 (2pts), 668-738 (3pts), 739-773 (2pts), 774-808 (1pt)
- M 38. **36 degrees**: 29-30 (1pt), 31-32 (2pts), 33-38 (3pts), 39-40 (2pts), 41-42 (1pt)
39. **45 ft**: 32-36 (1pt), 37-41 (2pts), 42-48 (3pts), 49-53 (2pts), 54-58 (1pt)
40. **103 degrees**: 96-97 (1pt), 98-99 (2pts), 100-106 (3pts), 107-108 (2pts), 109-110 (1pt)
41. **133 ft**: 120-124 (1pt), 125-129 (2pts), 130-136 (3pts), 137-141 (2pts), 142-146 (1pt)
- N 42. American Sycamore (2pt)
43. 16"
- O 44. clinometer (2pt)
45. slope
46. height
47. 19% (18-20%acceptable)
- P 48. 1:24,000
49. 20 ft
50. North
51. North East quarter

Business Problem

52. \$15,000
53. \$7,500
54. \$1,000
55. \$3,000
56. \$34,650
57. \$8,150 (4pts)