

Answers for AP Precalculus Unit 3 Wkst D: More Practice

1. deleted. answers below are off by 1 - i.e. Question 1 = Answer 2
2. Length of lake $= \sqrt{132925 - 132300 \cos 70} \approx 296.10$ yards
3. deleted
4. Height of the building $= \frac{60 \sin 31 \sin 46}{\sin 15} \approx 85.89$ feet
5. Distance from the balloon to Jack $= \frac{55 \sin 72}{\sin 62} \approx 59.24$ feet
6. The plot of land is about 14217.07 yd^2 or about 2.94 acres