Name _____   Date _____

Application of the Standard Law of Sines - Independent Practice Worksheet

Complete all the problems.

1. In ΔABC, sin A = 77, sin C = 23 and c = 16. Find the length of A.

2. In ΔPQR, side Q = 25, m <P =13º and m <Q = 70º. Find side P to the nearest tenth of an integer.

3. In ΔXYZ, side Y = 18, m <Y =39º and m <Z = 51º. Find side Z to the nearest tenth of an integer.

4. In ΔABC, sin A = 82, sin B = 58 and b = 27. Find the length of A.

5. In ΔFTP, sin T = 29, sin P = 110 and t = 9. Find the length of P.

6. In ΔEFG, side E = 22, m <E =81º and m <G = 26º. Find side G to the nearest tenth of an integer.

7. In ΔXYZ, side Z = 8, m <Y =15º and m <Z = 94º. Find side Y to the nearest tenth of an integer.

8. In ΔPQR, sin P = 64, sin R = 35 and r = 21. Find the length of P.

9. In ΔFTP, side f = 24, m <F =17º and m <P = 72º. Find side p to the nearest tenth of an integer.

10. In ΔABC, sin A = 88, sin B = 42, and a = 17. Find the length of b.