Problem set - feet and inches -1

Name: _____ Date: _____

1. A measurement is 4 feet 10 inches. How many inches is this?

2. A measurement is 3 yards 1 foot 7 inches. How many inches is this?

3. Write $78''$ in feet and inches.

4. A part is to be $5''$ wide. To the nearest tenth of a foot, what is this dimension in decimal feet?

5. A part is to be $1'\ 6''$ long. What is this dimension in decimal feet?

6. A piece of material $12'\ 9''$ long is to be cut into 9 equal pieces. How long will each piece be, ignoring the width of the cut?

7. Write in decimal feet to the nearest hundredth of a foot $2'\ 7\frac{3}{4}$ inches.

8. Write in decimal feet to the nearest hundredth of a foot $3'\ 9\frac{5}{8}$ inches.

9. Write in decimal feet to the nearest hundredth of a foot $1' \; 4\frac{3}{16}$ inches.

10. Write in inches to the nearest quarter inch 2.227 feet.

11. Write in feet and inches to the nearest eighth of an inch 3.135 feet.

12. Write in feet and inches to the nearest sixteenth of an inch 3 feet 1.79 inches.

13. Write in feet and inches to the nearest sixteenth of an inch 50.681 inches.

14. Ten pieces are to be cut from half-inch bar stock. Each of the ten is to be $1' \; 2\frac{1}{4}$ inches long. Ignoring the width of the cut, write in feet and inches rounded up to the nearest inch the minimum length of bar stock required.

15. A strip of aluminum $12' \; 6''$ long is to be cut into eleven equal pieces. What is the length of each piece in feet and inches to the nearest sixteenth of an inch?

16. An assembly requires three sections of bar stock measuring $2' \; 6''$, $1' \; 10''$, and $4' \; 9''$ long. These are to be cut from a $10'$ piece. Each cut wastes 0.125 inches of material. In feet and inches rounded down to the nearest inch, how much will be left from the $10'$ piece?