Name _____   Date _____

1. Determine the following sums and differences. Show your work.

   a. 2 yd 2 ft + 1 ft = ___3___ yd

   $6ft + 2ft + 1ft = 9ft$
   $= 3yd$

   b. 2 yd – 1 ft = ___1___ yd ___2___ ft

   1 yd 3ft
   1 yd 2 ft

   c. 2 ft + 2 ft = ___1___ yd ___1___ ft

   $4ft = 3ft + 1ft$
   $= 1yd \ 1ft$

   d. 5 yd – 1 ft = ___4___ yd ___2___ ft

   4yd 3ft
   2 ft

   e. 7 in + 5 in = ___1___ ft

   $12 in = 1 ft$

   f. 7 in + 7 in = ___1___ ft ___2___ in

   $14 in = 12 in + 2 in$

   g. 1 ft – 2 in = ___10___ in

   12 in – 2 in

   h. 2 ft – 6 in = ___1___ ft ___6___ in

   1 ft 12 in
   6 in

2. Find the following sums and differences. Show your work.

   a. 4 yd 2 ft + 2 ft = ___5___ yd ___1___ ft

   1ft 1ft
   5 yd 1ft

   b. 6 yd 2 ft + 1 yd 1 ft = ___8___ yd ___0___ ft

   7yd   3ft
   1yd

   c. 5 yd 1 ft – 2 ft = ___4___ yd ___2___ ft

   4yd 4ft – 2ft
   2ft

   d. 7 yd 1 ft – 5 yd 2 ft = ___1___ yd ___2___ ft

   $6yd \ 4ft - 5yd \ 2ft = 1yd \ 2ft$

   e. 7 ft 8 in + 5 in = ___8___ ft ___1___ in

   7ft 13 in
   1ft 1in

   f. 6 ft 5 in + 5 ft 9 in = ___12___ ft ___2___ in

   11ft   14in
   12in 2in
   1ft

g.   32 ft 3 in – 7 in = __31__ ft __8__ in

31 ft 12 in 3 in
  31 ft 15 in – 7 in
    31 ft   8 in

h.   8 ft 2 in – 3 ft 11 in = __4__ ft __3__ in

7 ft 14 in – 3 ft 11 in
    4 ft 3 in

3. Laurie bought 9 feet 5 inches of blue ribbon. She also bought 6 feet 4 inches of green ribbon. How much ribbon did she buy altogether?

9 ft 5 in + 6 ft 4 in

= 15 ft 9 in

Laurie bought 15 ft 9 in of ribbon.

4. The length of the room is 11 feet 6 inches. The width of the room is 2 feet 9 inches shorter than the length. What is the width of the room?
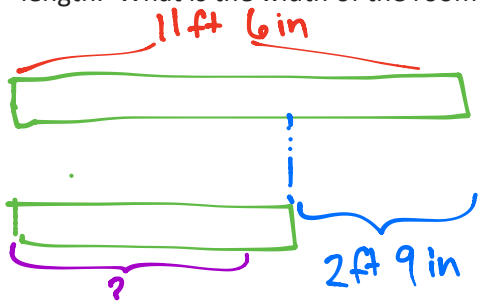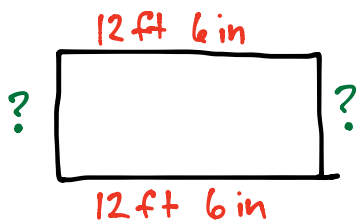
11 ft 6 in

2 ft 9 in
?

11 ft 6 in – 2 ft 9 in

10 ft 18 in – 2 ft 9 in

= 8 ft 9 in

The width is 8 ft 9 in.

5. Tim's bedroom is 12 feet 6 inches wide. The perimeter of the rectangular-shaped bedroom is 50 feet.

a.   What is the length of Tim's bedroom?

12 ft 6 in

?   ?

12 ft 6 in

$\square + \square + $ 12 ft 6 in + 12 ft 6 in $= 50$

$\square + \square + $ 25 ft $= 50$

$\square = $ 12 ft 6 in

The length of Tim's room is 12 ft 6 in

b.   How much longer is the length of Tim's room than the width?

The length and width are the same.