Adding and Subtracting Fractions with mixed numbers worksheet Name KEY

1) Joe needs to cut a piece of drywall that is 10 ½" wide from a scrap piece that is 23 3/8" wide. How much of the piece will be left?

$23\frac{3}{8} - 10\frac{1}{2}$

$23\frac{3}{8} - 10\frac{4}{8}$

$22\frac{8}{8} + \frac{3}{8} - 10\frac{4}{8}$

$22\frac{11}{8} - 10\frac{4}{8}$

$\frac{11}{8} - \frac{4}{8} = \frac{7}{8}$

$22 - 10 = 12$

$12\frac{7}{8}$"

2) I worked 10 ½ hours and my partner worked 9 ¾ hours. We budgeted 20 ¼ hours for this project, did we go over?

$10\frac{1}{2} + 9\frac{3}{4}$

$10 + 9 = 19$

$\frac{1}{2} + \frac{3}{4} = \frac{2}{4} + \frac{3}{5} = \frac{5}{4} = 1\frac{1}{4}$

$19 + 1\frac{1}{4} = 20\frac{1}{4}$

NO, Budgeted perfectl

3) I cut off 14 3/8" off a 3 foot piece of molding. How much is left?

3 Feet = 36"

$36" - 14\frac{3}{8}$

$35\frac{8}{8} - 14\frac{3}{8}$

$35 - 14 = 21$

$\frac{8}{8} - \frac{3}{8} = \frac{5}{8}$

$21\frac{5}{8}$"

4) I have three pieces of baseboard, one measures 7 $\frac{1}{16}$", one measures 9 $\frac{3}{8}$" and one measures 11 ¼". Will the three of these together be enough to cover a section of wall that is 28" long?

$7\frac{1}{16} + 9\frac{3}{8} + 11\frac{1}{4}$

$7 + 9 + 11 = 27$

$\frac{1}{16} + \frac{3}{8} + \frac{1}{4} =$

$\frac{1}{16} + \frac{6}{16} + \frac{4}{16} = \frac{11}{16}$

$27\frac{11}{16}$ - no not enough wood