Math 4B - HW 14



a) 
$$\frac{x}{4} - \frac{7x}{2} =$$
 d)  $\frac{x^2 y}{4} \times \frac{2xyz}{5} =$ 

b) 
$$5\frac{x}{2} + 1\frac{3}{8} =$$
 e)  $\frac{x^3}{121y} \div \frac{2xy^2}{11} =$ 

c)  $\frac{\frac{x}{5} + \frac{y}{6}}{\frac{x}{6} + \frac{y}{5}}$ 

f) 
$$\frac{\frac{x^2}{3y^3} \times \frac{7x^2y}{14x}}{\frac{2x}{3} + \frac{5y}{6}} =$$





4) Compare (using =, > or <):

0.756	0.76	0.12345	0.0102030405
3.4208	3.4028	0.32032032	0.321
4.0986	4.1	2.57043566	2.57034566666
12.576	9.99999	7.77777777	7.77777777

5) Three points are marked on a line (point M, point N and point O) so that the length of a segment |MN| = 5 cm, the length of a segment |NO| = 3 cm. What is the length of a segment |MO|? Draw the picture, use ruler!

6) On the diagrams of sets, A, B, and C, put exactly 2 elements so that

- a. each set contains 2 elements
- b. set A contains 2 elements, set B contains also 2 elements, and set C contains 1 element.
- c. set A contains 2 elements, sets B and C contain 1 element each
- d. set A contains 2 elements, set B contains 1 element, and set C is an empty set
- e. set A contains 2 elements, set B contains 2 elements, and set C is an empty set
- f. each set contains 1 element

