Instruction to be eligible to retake exam 1

1. Check your work on your exam carefully and thoroughly and do the problems again until you can do them on your own.

2. Come to the Math Center and take the 1-page quiz (will not be counted as class quiz) for 20 minutes.

It will be available on Sept 12, 13, 14, 15 during math center hours: 4-6:30 Mon-Thu.

3. Retake will be given for only those whose score is above 70% on that quiz.

4. Problems in the retake and quiz will be similar to those in exam1

5. Retake will be given on Fri. Sept 16 at 1:40pm in the classroom. Email will be sent if you are eligible to take the test beforehand.

Here is the answer to the problems in exam 1

1. (a) 43/30 (b) -2/15 (c) 293/20 (d) $6-4\sqrt{2}$ (e) 2 (f) -16/5

2. (a) $\frac{343}{a^{12}b^{15}}$ (b) $2x^2-5x-3$ (c) $3x^2-27x+49$ (d) $-x$ (e) $\frac{3x^2-4x-12}{(x+2)(x-2)(x-3)}$

3. $|\frac{1}{5}-(-\frac{7}{3})|=\frac{38}{15}$

4. $4,235

5. (a) $(x-2)(x-3)$ (b) $(1+\frac{1}{2y})(1-\frac{1}{2y})$ (c) $(y-1)(2y+7)$

6. (a) False since $(a+b)^2=a^2+2ab+b^2$

(b) True since $2\sqrt[3]{xy^2}\sqrt[3]{x^2y^2}=2\sqrt[3]{x^3y^4}=2xy\sqrt[3]{y}$

(c) False since $\frac{a+b}{a}=\frac{a}{a}+\frac{b}{a}=1+\frac{b}{a}$

7. $y\geq 3$ or $y\leq -1$

Note: $-1\geq y\geq 3$ is wrong because -1 is not greater than 3. Also, $-1\leq y\geq 3$ is wrong too.