Sample	quiz
	V X

Math	141	- Spring	2004

quiz #6

15

Seat:

sections 6.1 - 6.3 Partial credit is based on work shown!

Partial credit is based on more 7pts

1. a. Which fraction is smaller, $\frac{5}{6}or\frac{8}{9}$? Show what you did to determine this.

Use commoder or cross multiphy $\frac{15}{18}$ $\frac{16}{18}$ $\frac{16}{18}$ $\frac{5.9}{45}$ $\frac{6.8}{45}$

b. Find a fraction between the fractions $\frac{5}{6}$ and $\frac{8}{9}$.

(infinite # dans wers) $\frac{1500}{1800}$ $\frac{1600}{1800}$ or $\frac{30}{36}$ $\frac{31}{36}$ $\frac{32}{36}$



c. Add the two fractions, showing your steps.

$$\frac{3.5+8.2}{3.6+9.2} - \frac{15}{18} + \frac{16}{18} = \frac{31}{18} - \frac{13}{18}$$

2. Estimate using compatible numbers.

3. Calculate mentally using the distributive property.

$$14 \times 2\frac{4}{7}$$

$$14 \left(2 + \frac{4}{7}\right) = 14(2) + 14(\frac{4}{7})$$

$$28 + 8$$

$$36$$

3pts

4. Illustrate $\frac{1}{4}$ of $\frac{2}{3}$ using a rectangular diagram. Clearly label the diagram to indicate each fraction and the answer.

