PRE-ALGEBRA – MATH PRACTICE
MR. CANTLIN ~ JAN. 14, 2003

NAME: _____
PERIOD: ___ DATE 1/03

FRACTION ADD/SUBTRACT ⇒ FIND A COMMON DENOMINATOR

(EX) $\frac{1}{3} + \frac{1}{2} = \frac{2}{6} + \frac{3}{6} = \boxed{\frac{5}{6}}$

$\frac{1}{3} \overset{\times 2}{=} \frac{2}{6} = \frac{3}{9} = \frac{4}{12} \ldots$ ($\times 2$)

EQUIVALENT FRACTIONS
THEY ALL = .3̄

$\frac{1}{2} \overset{\times 3}{=} \frac{2}{4} = \frac{3}{6} = \frac{4}{8} \ldots$ ($\times 3$)

EQUIVALENT FRACTIONS
THEY ALL = .5

LOOK

① $\frac{2}{3} + \frac{1}{5} =$ _____

② $\frac{3}{4} + \frac{5}{6} =$ _____

③ $\frac{1}{8} - \frac{3}{4} =$ _____

④ $\frac{100}{200} + \frac{100}{300} =$ _____

⑤ $\frac{5}{9} + \frac{6}{10} =$ _____

FRACTION MULTIPLICATION (DIVISION IS SAME EXCEPT MULTIPLY BY RECIPROCAL OF THE DIVISOR)

(EX) $\frac{3}{4_1} \cdot \frac{2}{3_1} \cdot \frac{4}{1} = \frac{1 \cdot 2 \cdot 1}{1 \cdot 1 \cdot 1} = \frac{2}{1} = 2$

⑥ $\frac{15}{30} \cdot \frac{100}{150} \cdot \frac{5}{8} \cdot \frac{2}{3} =$ _____

⑦ $\frac{5}{6} \div \frac{2}{3} =$ _____

ADD/SUBTRACT NEGATIVE NUMBERS (two (–)(–)'s MAKE A (+))

(EX) $6 - (-4) = 10$ (EX) $-6 - 5 = -11$ Like losing 6 yds, then 5 more IN A FOOTBALL GAME.

⑧ $19 - (-3) =$ ☐ ⑨ $-16 - 25 =$ ☐ ⑩ $-1 + 12 =$ ☐

(OVER-2 SIDES)

(11.) How many degrees in a circle?

(12) Label the degrees and compass directions on the drawing below: (7 of each)