

[06-02-08-T7]
Math 7 Trimester 2 Pretend Quiz 2 (64 Points)

■ All count 4 points

■ A. Simplify the following expressions by writing as a single fully reduced fraction.

$$[1] \frac{a+4}{6} + \frac{2a+5}{3}$$

$$[2] \frac{x+7}{18} + \frac{x-4}{6}$$

$$[3] \frac{3y+5}{15} - \frac{y+5}{3}$$

$$[4] \frac{2x-5}{3} - \frac{6x-7}{2}$$

$$[5] \frac{2x+y}{3} - \frac{3a+2b}{2}$$

$$[6] \frac{2x+y-2}{4} - \frac{3x-4y+5}{2}$$

$$[7] \frac{2a+3}{3} - \frac{3a+5}{4} - \frac{5a-2}{6}$$

■ B. Fully reduce each of the following. If expression is already fully reduced, the write "Fully reduced".

$$[1] \frac{2a+3b}{2a}$$

$$[2] \frac{3a+6b}{15}$$

$$[3] \frac{2x+4y+8}{6}$$

$$[4] \frac{2x+3}{2}$$

$$[5] \frac{a-b}{b-a}$$

$$[6] \frac{2b-2a}{a-b}$$

$$[7] \frac{3a-6b}{12b-18a}$$

$$[8] \frac{5a-15b}{20a-60b}$$

$$[9] \frac{3a-12b}{8b-2a}$$

Answers

■ A.

[1] $\frac{5a+14}{6}$

[2] $\frac{4x-5}{18}$

[3] $\frac{-2y-20}{15}$

[4] $\frac{11-14x}{6}$

[5] $\frac{-9a-6b+4x+2y}{6}$

[6] $\frac{-4x+9y-12}{4}$

[7] $\frac{1-11a}{12}$

■ B.

[1] Fully reduced

[2] $\frac{3a+6b}{15}$

[3] $\frac{x+2y+4}{3}$

[4] Fully reduced

[5] -1

[6] -2

[7] $\frac{a-2b}{4b-6a}$

[8] $\frac{1}{4}$

[9] $-\frac{3}{2}$