

Answer Column:

- a) $\frac{5y^2}{70}$
b) $\frac{2n}{5p}$
- a) $\frac{3}{2}$
b) $-\frac{17}{4}$
- $\frac{7y}{9}$
 $\frac{3a}{8}$
- $\frac{38}{5}$
 $-\frac{3}{4}$
- $\frac{7}{6}$
 $\frac{87}{40}$
- $\frac{31}{8}$
 $\frac{111}{20}$

Practice Quiz 5.4, 6.1 - 6.2
Directions: Solve the following problems in the boxes provided. Then, write answers in column.
SHOW ALL WORK!

- Simplify
 - $\frac{30y^3}{42v^2}$
 $\frac{5y^3}{7 \cdot 42 \cdot y^2}$
 $\frac{5y^2}{7}$ (divide by 6)
 - $\frac{2y^2}{5 \cdot 10 \cdot y^2}$
 $\frac{2n}{5p}$ (divide by 2)
- Add & Simplify
 $\frac{3y}{9} + \frac{4y}{9} = \frac{7y}{9}$
- Add & Simplify
change to improper
 $2\frac{1}{5} + 5\frac{2}{5} = \frac{11}{5} + \frac{27}{5} = \frac{38}{5}$
- Add & Simplify
 $\frac{5}{6} + \frac{1 \cdot 2}{3 \cdot 2} = \frac{5}{6} + \frac{2}{6} = \frac{7}{6}$
- Add & Simplify
 $2\frac{1}{8} + 1\frac{3}{4} = \frac{17}{8} + \frac{7 \cdot 2}{4 \cdot 2} = \frac{17}{8} + \frac{14}{8} = \frac{31}{8}$

Name: _____ **#:** _____

Period: _____

- Change to an Improper Fraction and Simplify
 - $1\frac{10}{20} = 1\frac{1}{2} = 1 \cdot \frac{2}{2} = \frac{3}{2}$
 - $-4\frac{2}{8} = -4\frac{1}{4} = -4 \cdot \frac{4}{4} = -\frac{17}{4}$
- Subtract & Simplify
 $\frac{7a}{8} - \frac{4a}{8} = \frac{3a}{8}$
- Subtract & Simplify
 $-\frac{1}{4} - \frac{2}{4} = \frac{-3}{4}$
- Subtract & Simplify
 $55\frac{11}{8} - (-4\frac{1}{5}) = 55\frac{11}{8} + \frac{4}{5} = \frac{11 \cdot 5}{8 \cdot 5} + \frac{4 \cdot 8}{5 \cdot 8} = \frac{55}{8} + \frac{32}{40} = \frac{87}{40}$
- Add & Simplify
 $7\frac{6}{8} + 1\frac{3}{4} = 7\frac{6}{8} + \frac{3 \cdot 2}{4 \cdot 2} = 7\frac{6}{8} + \frac{6}{8} = 8\frac{12}{8} = 9\frac{3}{2} = \frac{111}{20}$

Honors:
 $\frac{238}{21}$

Add & Simplify
 $\frac{3y}{7} + \frac{2y}{3} = \frac{14y}{21} + \frac{14y}{21} = \frac{28y}{21} = \frac{23y}{21}$