

Answer Column:

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

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

Practice Quiz 5.4, 6.1 - 6.2		Name:	#:
Directions: Solve the following problems in the boxes provided. Then, write answers in column. SHOW ALL WORK!		Period:	
1. Simplify	2. Change to an Improper Fraction and Simplify		
a) $\frac{30y^3}{42v^2}$ $\frac{5 \cdot 6y^3}{7 \cdot 7v^2} = \frac{5y^3}{7v^2}$ (divide by 6) b) $\frac{2y^{11}}{5y^{10}p}$ $\frac{2y}{5p}$ (divide by 2)	a) $1\frac{10}{20} = 1\frac{1}{2} = 1 + \frac{1}{2} = \frac{3}{2}$ b) $-4\frac{2}{8} = -4 + \frac{1}{4} = -4 + \frac{1}{4} = -\frac{17}{4}$		
3. Add & Simplify	4. Subtract & Simplify		
$\frac{3y}{9} + \frac{4y}{9} = \frac{7y}{9}$	$\frac{7a}{8} - \frac{4a}{8} = \frac{3a}{8}$		
5. Add & Simplify	6. Subtract & Simplify		
$\frac{2\frac{1}{5} + 5\frac{2}{5}}{\text{change to improper}} = \frac{11}{5} + \frac{27}{5} = \frac{38}{5}$	$\frac{-1 - \frac{2}{4}}{4} = \frac{-3}{4}$		
7. Add & Simplify	8. Subtract & Simplify		
$\frac{5}{6} + \frac{1 \cdot 2}{3 \cdot 2} = \frac{5}{6} + \frac{2}{6} = \frac{7}{6}$	$\frac{11}{8} - \frac{-4}{5} = \frac{11}{8} + \frac{4}{5} = \frac{55}{40} + \frac{32}{40} = \frac{87}{40}$		
9. Add & Simplify	10. Add & Simplify		
$2\frac{1}{8} + 1\frac{3}{4} = \frac{17}{8} + \frac{7 \cdot 2}{4 \cdot 2} = \frac{17}{8} + \frac{14}{8} = \frac{31}{8}$	$3\frac{4}{5} + 1\frac{3}{4} = \frac{19}{5} + \frac{17}{4} = \frac{76}{20} + \frac{85}{20} = \frac{161}{20}$		

Add & Simplify $\frac{3y}{7} + \frac{2y}{3} = \frac{14y}{21} + \frac{10y}{21} = \frac{24y}{21}$