

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

<b>Practice Quiz 5.4, 6.1 - 6.2</b> Directions: Solve the following problems in the boxes provided. Then, write answers in column. <b>SHOW ALL WORK!</b>		<b>Name:</b> _____ <b>#:</b> _____
<b>1. Simplify</b> a) $\frac{30y^3}{42v^2}$ $\frac{5 \cdot 6 \cdot 2 \cdot y^3}{7 \cdot 6 \cdot 2 \cdot v^2} = \frac{5y^3}{7v^2}$ b) $\frac{2y^2}{5x^2}$ (divide by 2) $\frac{2n}{5p}$	<b>2. Change to an Improper Fraction and Simplify</b> a) $1\frac{10}{20} = 1\frac{1}{2} = 1 + \frac{1}{2} = \frac{3}{2}$ b) $-4\frac{2}{8} = -4 + \frac{1}{4} = -4 + \frac{1}{4} = -\frac{17}{4}$	<b>Period:</b> _____
<b>3. Add &amp; Simplify</b> $\frac{3y}{9} + \frac{4y}{9} = \frac{7y}{9}$	<b>4. Subtract &amp; Simplify</b> $\frac{7a}{8} - \frac{4a}{8} = \frac{3a}{8}$	
<b>5. Add &amp; Simplify</b> change to improper $2\frac{1}{5} + 5\frac{2}{5} = \frac{11}{5} + \frac{27}{5} = \frac{38}{5}$	<b>6. Subtract &amp; Simplify</b> $-\frac{1}{4} - \frac{2}{4} = \frac{-3}{4}$	
<b>7. Add &amp; Simplify</b> $\frac{5}{6} + \frac{1 \cdot 2}{3 \cdot 2} = \frac{5}{6} + \frac{2}{6} = \frac{7}{6}$	<b>8. Subtract &amp; Simplify</b> $55\frac{11}{8} - \left(-\frac{4}{5}\right) = 55\frac{11}{8} + \frac{4}{5} = \frac{11 \cdot 5}{8} + \frac{4 \cdot 8}{5} = \frac{55}{4} + \frac{32}{5} = \frac{275}{20} + \frac{128}{20} = \frac{403}{20}$	
<b>9. Add &amp; Simplify</b> $2\frac{1}{8} + 1\frac{3}{4} = \frac{17}{8} + \frac{7 \cdot 2}{4 \cdot 2} = \frac{17}{8} + \frac{14}{8} = \frac{31}{8}$	<b>10. Add &amp; Simplify</b> $7\frac{6}{5} + 1\frac{3}{4} = \frac{76}{5} + \frac{17}{4} = \frac{19 \cdot 4}{5 \cdot 4} + \frac{17}{4} = \frac{76}{20} + \frac{85}{20} = \frac{161}{20}$	

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