

Name:	Date:
Topic:	Class:

Main Ideas/Questions	Notes/Examples	
<b>ADDING &amp; SUBTRACTING</b> <i>Rational Expressions</i>	①	Rewrite the problem using a common denominator.
	②	Combine the numerators and keep the common denominator.
	③	Simplify the remaining expression.
<b>LIKE BASE</b> <i>Examples</i>	1.	$\frac{13a}{4a^2} + \frac{5a}{4a^2}$
	2.	$\frac{9x+12}{16} - \frac{7x+2}{16}$
	3.	$\frac{y^2+8y}{y^2-9} + \frac{2y+21}{y^2-9}$
<b>UNLIKE BASE</b> <i>Examples</i>	4.	$\frac{1}{12a-3} - \frac{16a^2}{12a-3}$
	5.	$\frac{n^2+3n-7}{n^2+n-6} - \frac{n+1}{n^2+n-6}$
	6.	$\frac{13k^2-9k}{6k^2-5k+1} + \frac{k^2+2k}{6k^2-5k+1}$
	7.	$\frac{15}{2x} - \frac{16}{3x}$
	8.	$\frac{4a}{a^2} - \frac{7}{8a}$

$$9. \frac{k^2 + 16}{5k - 10} - \frac{4}{k - 2}$$

$$10. \frac{7}{y + 8} + \frac{35}{y^2 + 11y + 24}$$

$$11. \frac{x^2 - 5}{x^2 + 5x + 6} + \frac{1}{x + 2}$$

$$12. \frac{m^2 + 5m + 6}{m^2 - 4} + \frac{2}{m - 2}$$

$$13. \frac{5}{w + 1} + \frac{8}{w - 7}$$

$$14. \frac{b}{b + 3} - \frac{4}{b}$$

$$15. \frac{2}{4p - 20} + \frac{p - 6}{p^2 - 8p + 15}$$

$$16. \frac{r}{2r + 8} - \frac{8}{r^2 + 4r}$$