Period:	Name:	
Chapter 6 Assignn	nent – Rational Expressions & E	<u>quations</u>
	/25	
Show all of your work.		
1) Simplify. Keep a list of non-permiss	sible values in the rectangle (2 n	narks each).
a) $\frac{6x+18}{x^2+8x+15}$	b) $\frac{x^2-4}{6+3x}$	
ANSWER:		ANSWER:
2) Simplify. Keep a list of non-permiss	 sible values in the rectangle (2 n	narks each).
	_	
a) $\frac{n^2-4}{2n-1} \cdot \frac{12n-6}{n+2}$	b) $\frac{x-3}{x^2+2x-15} \cdot \frac{2x+10}{2x^2-15x+7} \div$	$x^2 - 5x - 14$
ANSWER:		ANSWER:

3) Simplify. Keep a list of non-permissible valu	ues in the rectangle (2 marks each).
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a) 
$$\frac{2y}{y+3} + \frac{3}{y^2-9}$$

b) 
$$\frac{3x+3}{x^2-4x-12} - \frac{x+1}{x^2-4}$$

ANSWER:

ANSWER:

4) Simplify. Keep a list of non-permissible values in the rectangle (3 marks):

ANSWER:

5) <b>S</b>	<b>olve</b> and	check.	Keep a list of non-	permissible values in the re	ectangle (3 marks each).	
اد	$\frac{2y}{y^2-1} =$	_ 2	_ 1		check:	
aj	$y^2-1$	y+1	y-1		check.	
					ANSWER:	
	7	2 7	2 2			
b)	$\frac{z}{2z+2} + \frac{z}{2z+2}$	$\frac{zz}{4z+4}$	$=\frac{2z-3}{z+1}$		check:	
					ANSWER:	
-	6) It takes Ryan 7 hours to do the lawn and gardening maintenance at a commercial property					
alone. Jeff can do the work in 6 hours alone. Assuming they have enough equipment, <b>how</b> long would it take them to complete the work together? Create and solve a rational equation.						
	_			rest minute). (4 marks)	·	

SENTENCE ANSWER: