Practice worksheet | Algebra

Operations with algebraic fractions

Name: _____ Date: _____

6 questions | 13 marks

1. Simplify $\frac{3x}{4} \times \frac{8}{9x}$ and retain restrictions. [2 marks]

2. Simplify $\frac{2}{a} + \frac{5}{a}$. [2 marks]

3. Simplify $\frac{3}{x} - \frac{1}{x+2}$. [2 marks]

4. Simplify $\frac{a+1}{3} \div \frac{2(a+1)}{5}$. [2 marks]

5. Simplify $\frac{4}{p-1} - \frac{p+2}{p-1}$. [2 marks]

6. A printer completes a job in x minutes and another in $x+5$ minutes. Write their combined job rate as one fraction. [3 marks]