

Algebraic Fractions - Simplifying

Question 1. Simplify: $\frac{6x}{3}$

[3 marks]

Question 2. Simplify: $\frac{10ab}{5a}$

[3 marks]

Question 3. Simplify: $\frac{x^2}{x}$

[3 marks]

Question 4. Simplify: $\frac{8xy}{4x}$

[3 marks]

Question 5. Simplify: $\frac{15a^2b}{3ab}$

[3 marks]

Question 6. Simplify: $\frac{x^2+x}{x}$

[3 marks]

Question 7. Simplify: $\frac{x^2-9}{x-3}$

[3 marks]

Question 8. Simplify: $\frac{x^2-4x}{x}$

[3 marks]

Question 9. Simplify: $\frac{2x^2+6x}{2x}$

[3 marks]

Question 10. Simplify: $\frac{3x^2-12}{6x-12}$

[3 marks]

Question 11. Simplify: $\frac{x^2-5x+6}{x-2}$

[3 marks]

Question 12. Simplify: $\frac{x^2-4}{x+2}$

[3 marks]

Question 13. Simplify: $\frac{x^2+7x+10}{x+2}$

[3 marks]

Question 14. Simplify: $\frac{x^2+5x}{x^2+x}$

[3 marks]

Question 15. Simplify: $\frac{x^2-x-6}{x^2-9}$

[3 marks]

Question 16. Simplify: $\frac{4x^2+8x}{2x^2+4x}$

[3 marks]

Question 17. Simplify: $\frac{6x^2-54}{9x-27}$

[3 marks]

Question 18. Simplify: $\frac{2x^2+5x-3}{2x-1}$

[3 marks]

Question 19. Simplify: $\frac{3x^2+7x-6}{x^2-1}$

[3 marks]

Question 20. Simplify and state restrictions: $\frac{2x^2-8x+6}{x^2-4}$

[3 marks]
