Practice worksheet | Exponential relationships

Rationalising denominators

Name: _____ Date: _____

6 questions | 15 marks

1. Rationalise $\frac{3}{\sqrt{2}}$. [2 marks]

2. Rationalise $\frac{4}{\sqrt{8}}$. [2 marks]

3. Rationalise $\frac{1}{2+\sqrt{3}}$. [3 marks]

4. Rationalise $\frac{3}{\sqrt{5}-1}$. [3 marks]

5. Simplify and rationalise $\frac{\sqrt{6}}{\sqrt{2}}$. [2 marks]

6. A rectangle has area $12\ \text{cm}^2$ and width $\sqrt{3}$ cm. Find its exact length. [3 marks]