Practice worksheet | Exponentials and logarithms

Rational/irrational numbers and surd operations

Name: _____ Date: _____

6 questions | 13 marks

1. Classify $\sqrt{81}$ and $\sqrt{18}$. [2 marks]

2. Simplify $\sqrt{50}$. [2 marks]

3. Simplify $3\sqrt{12} - \sqrt{27}$. [2 marks]

4. Expand $(\sqrt{7}+2)(\sqrt{7}-2)$. [2 marks]

5. Rationalise $\frac{5}{\sqrt{3}}$. [2 marks]

6. Rationalise $\frac{2}{\sqrt{6}-2}$. [3 marks]