Practice worksheet | Exponential relationships

Operations with surds

Name: _____ Date: _____

6 questions | 14 marks

1. Simplify $4\sqrt{2}+3\sqrt{2}$. [2 marks]

2. Simplify $\sqrt{18}-\sqrt{8}$. [2 marks]

3. Find $\sqrt{3}\sqrt{12}$. [2 marks]

4. Expand $(2+\sqrt{3})^2$. [3 marks]

5. Simplify $\frac{\sqrt{75}}{\sqrt{3}}$. [2 marks]

6. A rectangle has sides $2\sqrt{3}$ cm and $3\sqrt{6}$ cm. Find its exact area. [3 marks]