Practice worksheet | Index laws

Multiplying same-base powers

Name: _____ Date: _____

6 questions | 13 marks

1. Write $5^2 \times 5^3$ as one power. [2 marks]

2. Write $2^4 \times 2^2$ as one power, then evaluate. [2 marks]

3. Write 7×7^3 as one power. [2 marks]

4. Write $10^3 \times 10^2$ as one power. [2 marks]

5. Write $4^2 \times 4$ as one power. [2 marks]

6. Find m if $3^2 \times 3^m = 3^7$. [3 marks]