

Indices Rules - Negative Index

Name:	Class:	Date:
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Mark	/ 10	%
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1) Evaluate, giving your answer as a simplified fraction [4]

a) 26^{-1}

b) 2^{-1}

c) 2^{-2}

d) 10^{-2}

2) Give your answer in the form $\frac{1}{a^b}$, where a and b are positive integers [2]

a) 7^{-3}

b) 2^{-5}

3) Give your answer in the form a^b , where a and b are integers [2]

a) $\frac{1}{7^5}$

b) $\frac{1}{2^5}$

4) Give your answer in the form $\frac{a}{b^c}$, where a, b and c are positive integers [2]

a) 2×3^{-6}

b) 6×2^{-3}

Solutions for the assessment Indices Rules - Negative Index

1) a) $\frac{1}{26}$

b) $\frac{1}{2}$

c) $\frac{1}{4}$

d) $\frac{1}{100}$

2) a) $\frac{1}{7^3}$

b) $\frac{1}{2^5}$

3) a) 7^{-5}

b) 2^{-5}

4) a) $\frac{2}{3^6}$

b) $\frac{6}{2^3}$