Index Numbers

Choose the correct answer.

1) What is the value of 3^4 ?

a) 12

b) 81

c) 27

d) 216

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2) Find the value of 4^{-2} ?

a) $\frac{1}{16}$

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

c) 16

d) $\frac{1}{-8}$

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3) Write $b^5 \times b^3 \times b^2$ as a single number in index form.

a) b^{10}

b) b^6

c) b^{30}

d) b^5

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4) What is the value of 145^0

a) 0

b) 45^4

c) 145

d) 1

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5) Write $4^3 \times 4^3 \div 4^6$ in index form.

a) 4^3

b) 4^0

c) 4^6

d) 4^{12}

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6) Give the answer in index form $\frac{6^3 \times 6^3}{6^4}$

a) 6^{10}

b) 6^3

c) 6^2

d) 6^5

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7) What is the value of $8^5 \div 8^6$

a) 8^1

b) 8^{-1}

c) 8^4

d) 16

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8) What is the value of 10^4 ?

a) 1000

b) 40

c) 10

d) 10000

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