NAME		WEEK	
DATE		YEAR 7	

TOPIC: INDEX NOTATION

1. Rewrite each expression in index form.

No.	Expression	Answer
a.	$6 \times 6 \times 6 \times 6 \times 6$	
b.	$3 \times 3 \times 3 \times 3$	
c.	$2 \times 2 \times 2 \times 2 \times 2$	
d.	9×9	
e.	$31 \times 31 \times 31 \times 31 \times 31 \times 31$	
f.	$14 \times 14 \times 14$	
g.	$-5 \times -5 \times -5$	

2. Rewrite each exponent in expanded form.

No.	Expression	Answer
a.	$6 \times 6 \times 6 \times 6 \times 6$	
b.	$3 \times 3 \times 3 \times 3$	
c.	$2 \times 2 \times 2 \times 2 \times 2$	
d.	9×9	

3. Rewrite each exponent in standard form.

No.	Expression	Answer
a.	5^2	
b.	7^4	
c.	4^5	
d.	1^{12}	

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No.	Expression	Answer
e.	$(-1)^{24}$	
f.	$(-1)^{19}$	
g.	0^{12}	
h.	2023^{0}	

SPE Questions

No.	Question	Answer
a.	Express $2 \times 2 \times 2 \times 3 \times 3 \times 5 \times 5 \times 7$ in index notation. [1]	
b.	Express $2 \times 2 \times 2 \times 5 \times 5$ in index notation. [1]	
c.	Express 315 as a product of its prime factors in index form. [2]	
d.	Express 324 as a product of its prime factors in index form. [2]	
e.	Express 40 as a product of its prime factors in index form. [2]	

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