How Did the Light Dress Up for the Costume Party?

Write a fraction (or 1) for each power. For each set of exercises, there is one extra answer. Write the letter of this answer in the corresponding box at the right.

8	3	5	10	4	1	7	9	6	2

		Answers				Answers
1	7^{-2}			**6**	10^{-1}	
	2^{-3}	(B) $\frac{1}{9}$	(V) $\frac{1}{49}$		20^{-2}	(U) $\frac{1}{400}$ (A) $\frac{1}{10}$
	3^{-2}	(L) $\frac{1}{8}$	(A) $\frac{1}{12}$		100^{-3}	(E) $\frac{1}{2000}$ (O) $\frac{1}{1{,}000{,}000}$
2	10^{-4}			**7**	2^{-7}	
	4^{-3}	(G) $\frac{1}{64}$	(D) $\frac{1}{81}$		5^{-4}	(T) $\frac{1}{500}$ (L) 1
	9^{-2}	(R) $\frac{1}{27}$	(N) $\frac{1}{10{,}000}$		15^{0}	(M) $\frac{1}{625}$ (V) $\frac{1}{128}$
3	15^{-1}			**8**	8^{-2}	
	8^{-3}	(S) $\frac{1}{40}$	(J) $\frac{1}{32}$		10^{-5}	(I) $\frac{1}{256}$ (O) $\frac{1}{64}$
	2^{-5}	(P) $\frac{1}{15}$	(C) $\frac{1}{512}$		4^{-4}	(Y) $\frac{1}{100{,}000}$ (A) $\frac{1}{196}$
4	5^{-3}			**9**	7^{-3}	
	3^{-4}	(H) $\frac{1}{125}$	(P) $\frac{1}{144}$		15^{-2}	(E) $\frac{1}{343}$ (H) $\frac{1}{300}$
	12^{-2}	(E) $\frac{1}{96}$	(F) $\frac{1}{81}$		11^{0}	(L) 1 (T) $\frac{1}{225}$
5	6^{0}			**10**	13^{-2}	
	1000^{-1}	(T) $\frac{1}{1000}$	(A) $\frac{1}{693}$		2^{-6}	(B) $\frac{1}{64}$ (M) $\frac{1}{169}$
	9^{-3}	(L) 1	(I) $\frac{1}{729}$		16^{-1}	(F) $\frac{1}{72}$ (S) $\frac{1}{16}$

What Is Special About the Testing Program at the Acme College of Cosmetics?

TO ANSWER THIS QUESTION, FOLLOW THESE INSTRUCTIONS:
For each exercise, figure out which consecutive integers the square root lies between. Write the letter of the exercise on the number line between these two integers.

(A) $\sqrt{30}$
(E) $-\sqrt{61}$
(N) $\sqrt{2}$
(U) $-\sqrt{89}$
(T) $-\sqrt{15}$
(S) $\sqrt{217}$
(A) $-\sqrt{5}$
(U) $\sqrt{80}$
(E) $-\sqrt{167}$
(Y) $\sqrt{11}$
(T) $-\sqrt{27}$
(A) $\sqrt{150}$
(S) $-\sqrt{141}$
(O) $\sqrt{0.5}$
(E) $\sqrt{120}$
(H) $-\sqrt{189}$
(L) $\sqrt{7}$
(S) $-\sqrt{23}$
(E) $\sqrt{55}$
(D) $-\sqrt{74}$
(M) $\sqrt{175}$
(E) $-\sqrt{0.1}$
(T) $-\sqrt{200}$
(M) $\sqrt{19}$
(K) $-\sqrt{3}$
(N) $-\sqrt{43}$
(P) $\sqrt{95}$
(T) $-\sqrt{109}$
(X) $\sqrt{132}$
(K) $\sqrt{41}$