TABLE 3

Wilcoxon Rank Test for CURE opinions (*N* = 49).

	Decrease	Increase	No change	*z*-value	*p*-value
Opinion 1: Thinking skills	5	20	24	3.06*	.002
Opinion 2: Results true and correct	7	17	25	1.93	.054
Opinion 3: Writing is helpful	5	12	31	1.75	.079
Opinion 4: Follow experience over results[a]	13	12	24	-0.24	.810
Opinion 5: No need for science classes	12	14	23	0.44	.659
Opinion 6: Tell us what we need to know	17	14	18	-0.88	.379
Opinion 7: No role for creativity[a]	13	9	27	-0.89	.374
Opinion 8: Science no connection to nonscience[a]	8	15	26	1.64	.101
Opinion 9: Expert disagreement[a]	15	9	25	-1.17	.265
Opinion 10: Satisfaction solving scientific problems	7	15	27	1.81	.070
Opinion 11: All theories are valid	14	15	20	0.10	.917
Opinion 12: Science is accumulation[a]	8	16	25	1.63	.103
Opinion 13: Can do well in science classes	7	17	24	1.78	.074
Opinion 14: Real science is nonlinear	14	17	18	0.49	.624
Opinion 15: Too much emphasis on figuring out	13	11	25	-0.29	.771
Opinion 16: Only experts can judge science[a]	7	20	22	2.69	.007
Opinion 17: Know results ahead of time[a]	13	13	23	0.28	.782
Opinion 18: Explaining helps with understanding	5	12	32	1.74	.081
Opinion 19: Instructor should structure work	13	26	10	2.66	.008
Opinion 20: "Play" with statistics to support ideas[a]	15	16	18	0.28	.780
Opinion 21: Experiments confirm info in class[a]	3	17	29	3.10*	.002
Opinion 22: Null results are a failure[a]	11	10	28	-0.08	.938

[a]For these items we would expect a decrease in these outcomes given the goals of the CURE.
*p < .0021