

## 2017 ARML Local Answers

### Team Round Answers

T-1	34	T-2	1124	T-3	$\frac{75}{8}$ or $9\frac{3}{8}$ or 9.375
T-4	$\frac{\sqrt{3}}{9}$	T-5	30	T-6	$\frac{1}{2}$
T-7	39	T-8	96	T-9	1107
T-10	18	T-11	$\frac{5}{13}$	T-12	$-4\sqrt{2}$
T-13	$\frac{1681}{198}$	T-14	102564	T-15	98306

### Individual Round Answers

I-1	8	I-2	12
I-3	40	I-4	-13
I-5	6	I-6	$-\frac{33}{65}$
I-7	4	I-8	$\frac{24}{5}$
I-9	3	I-10	2500

### Relay Round Answers

R1-1	6	R1-2	$36 + 36\sqrt{3}$ or $36(\sqrt{3} + 1)$
R2-1	8	R2-2	4
R2-3	288	R3-1	5
R3-2	10	R3-3	7
R3-4	45	R3-5	8
R3-6	10		

Tiebreaker Answer: 240