

# 2017 Team Scramble Answer Key

9	1	-3222	26	$4\sqrt{2}$	51	116,028	76
78.897	2	$\frac{24}{7}$	27	35	52	130,383	77
480	3	302	28	$4\sqrt{41}$	53	0	78
$\frac{28}{33}$	4	285	29	2	54	$\frac{13}{49}$	79
9:26:57 AM	5	$\frac{7}{64}$	30	$18\sqrt{2} - 12$	55	$\frac{1}{21}$	80
(5,3,-1)	6	$x = \frac{y}{2} = \frac{z}{3}$	31	34	56	960	81
206	7	5	32	$9\sqrt{3}$	57	79,626,240	82
7	8	217	33	360	58	392	83
15	9	648	34	$9 - 6\sqrt{2}$	59	$\frac{376}{5525}$	84
$x = -3$	10	$-\frac{2\sqrt{3}}{3}$	35	$12\sqrt{106}$	60	366	85
$(-\frac{9}{10}, \frac{81}{20})$	11	$\frac{3\sqrt{255}}{4}$	36	20	61	$\frac{3}{4}$	86
$(-\frac{1}{4}, 0)$	12	$8\sqrt{2}e^{\frac{3\pi i}{4}}$	37	24	62	127	87
Acute scalene triangle	13	97	38	18	63	$x - 2y + 3z = 7$	88
5865	14	136	39	$\frac{1}{4}$	64	$3\sqrt{5}$	89
$4\pi$	15	$\frac{13}{216}$	40	January 4 <sup>th</sup>	65	$\frac{429}{7}$	90
12	16	$4\sqrt[3]{2} + 4$	41	15	66	-72	91
$\frac{425}{37}$	17	[\$]102.50	42	$\frac{4}{3}$	67	$\frac{87}{2}$	92
$8 + 8\sqrt{2}$	18	$-2, \frac{6}{7}$	43	64	68	41328	93
Hyperbola	19	12	44	375506 <sub>9</sub> or 375506	69	None or $\emptyset$	94
$-\frac{7}{5}$	20	$\frac{94}{3}$	45	1053	70	BCDE	95
64	21	41	46	64	71	$-\frac{\pi}{6}$	96
$\frac{1}{b+ab}$	22	15	47	8	72	$\frac{20}{3}$	97
$2t^2 + t + 6$	23	6	48	8	73	32256	98
322122 <sub>4</sub> or 322122	24	$\frac{163}{49}$	49	1428	74	$\frac{528}{5}$	99
24, 3738	25	(4,9,-6) any order	50	2	75	$250\pi$	100