

2012 Fall Startup Event Answer Key

2886	1	$(11, -4)$	26	41	51	106	76
58	2	$x = -4$	27	12	52	23	77
333.26	3	$(-6, 0)$	28	15	53	1188	78
$2^{13}/46$	4	13	29	$9/4$	54	124	79
$-37/9$	5	$TP/10D$	30	139	55	240	80
9.7531×10^2	6	5	31	2	56	99	81
128	7	20	32	$-1 + 4i$	57	5	82
120	8	$-2/5$	33	$(2, -3)$	58	46	83
$2^9/2$	9	$2p^2 - p - 6$	34	Hyperbola	59	42	84
$2^3\sqrt{50}$	10	$6\sqrt{2}$	35	30π	60	20	85
999,831	11	$2\sqrt{77}$	36	-59	61	8	86
30,000	12	Equilateral (or Equilangular)	37	11	62	115	87
50	13	22	38	$-17/9$	63	$6 \times 7 - 4$	88
7	14	144π	39	8	64	10	89
6	15	56	40	3000	65	14	90
$4x^2 + 11x - 4$	16	48π	41	111010	66	$12\sqrt{6}$	91
5, 3	17	72π	42	$2^2 \cdot 3^3 \cdot 5$	67	108	92
$\frac{-5 \pm \sqrt{17}}{4}$	18	36π	43	12	68	$\sec^2 b$ (or $\tan^2 b + 1$)	93
$(4, 5)$	19	120	44	6	69	$\pi/4$	94
400	20	108	45	$1/4$	70	-10	95
24	21	50	46	$1/17$	71	$2 + \ln 2$	96
40	22	392π	47	$1/9$	72	9	97
$y = -2x + 13$	23	$95/4$	48	60	73	120	98
$-5/3$	24	143	49	576	74	$(-1, 6)$	99
$4\sqrt{10}$	25	$12/7$	50	$2/3$	75	$13/2$	100