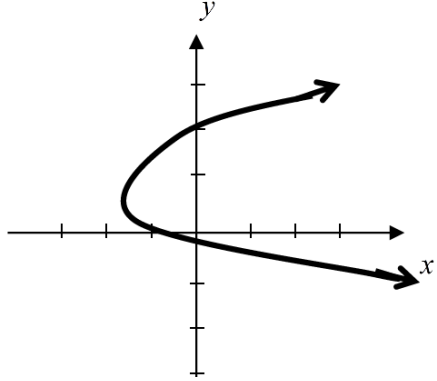


## Answers to Exam 1, Fall 2015

Problem	Form 01 (green)	Form 02 (orange)	Actual Answer
1)	C.	A.	$2n^3 - 2n^2 - 7n - 4$
2)	B.	E.	I and III only
3)	E.	D.	$\left[-\frac{5}{2}, \infty\right)$
4)	B.	B.	
5)	B.	C.	$256x^4 - 625$
6)	A.	D.	Area = $\frac{3}{2}x^2 + 17x + \frac{91}{2}$
7)	E.	E.	No solution (-4 makes a 0 denominator in original equation)
8)	A.	A.	$x = \frac{24}{19}$
9)	A.	C.	$4a^2 + 22a + 24$
10)	E.	B.	$2\frac{2}{3}$ hr.
11)	E.	A.	$x = \frac{2}{3}$
12)	B.	B.	3 hours
13)	E.	E.	$y = \frac{1}{8}x - \frac{19}{4}$
14)	C.	A.	7
15)	D.	B.	$\frac{3}{2}$