Math 225: Homework to Exam 2

DATE	Homework
Feb 9	13.1: 1, 3, 6, 7, 9, 11, 15, 19-24, 37, 41
	$13.2;\ 1,\ 5,\ 9,\ 12,\ 17,\ 19,\ 21,\ 23,\ 31,\ 33,\ 37,\ 45,\ 46,\ 49$
Feb 12	Topics from 13.3 and 13.4 (See note below)
	$13.3:\ 1,\ 3,\ 11,\ 16,\ 17,\ 19,\ 43,\ 44,\ 45,\ 46,\ 49,\ 59$
	13.4: 3, 5, 9, 13, 15-16, 17, 19, 21, 23, 25, 45
Feb 14	14.1: 1, 13, 18, 24, 25, 27, 30-32, 34, 39, 47, 55-60
Feb 16	14.2: 7-17 odd, 23, 24, 27-28, 29, 31, 36, 37, 39, 42
Feb 19	No classes
T 1 01	14.9 5.0 15 15 05 00 05 40 40 45 40 50 55 61 65 50()
Feb 21	14.3: 5-8, 15, 17, 25, 33, 37, 40, 43, 45, 49, 50, 57, 61, 65, 72(a,c),
	75, 80, 95
Feb 23	14.4: 1, 3, 13, 15, 18, 25, 27, 33, 35, 46 (in class)
Feb 26	14.5: 1, 3, 7, 12, 13, 15, 19, 23-25, 27, 31, 35, 38, 39, 42
F.1.00	14.6.1 7 7 10 10 10 10 07 00 04 06 00 40 47 70
Feb 28	14.6: 1, 5, 7, 10, 12, 18, 19, 27, 33, 34, 36-39, 43, 47, 52
Mar 02	14.7: 1, 3, 9, 12, 18, 19, 21, 27, 29, 31, 34, 37, 39, 41, 45
Mar 05	14.8: 1-11 odd, 19, 21, 41
	Review
Mar 07	EXAM II
Mar 00	15 1. 11 19 14
Mar 09	15.1: 11, 13, 14

There is a lot to choose from in sections 13.3 and 13.4. In particular, 13.4 is very interesting if you're someone with a good physics background. Since not everyone has, we'll only focus on a few important details:

In 13.3, focus on arc length and definitions of the T,N,B. Formulas for curvature will be given where necessary, but do know its definition.

In 13.4, focus on the velocity and acceleration, especially examples 2, 3, and 5. For #45 in the homework, you might use technology to solve equations you have (you might need the roots to a fourth degree polynomial, for example. In this question, I wanted you to focus on the logic behind the solution, so really think about the technique for solving it.