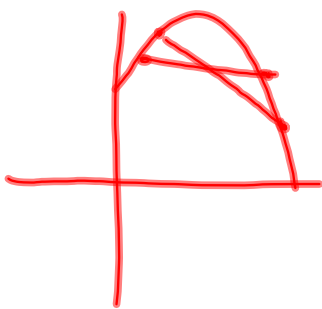


Unit Test: Thursday

- Average Rate of Change
- Instantaneous Rate of Change
- Applications of Rate of Change
(Equation provided)
- Quadratics - Solving and completing the square

Visually:

ARC:



Slope of a secant

IRC:



Slope of a tangent

Review Work:

- Textbook:

Page 90: # 15, 16

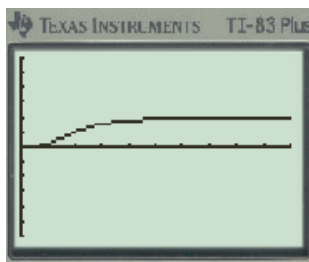
Practice Questions: pgs. 105 - 106

DMIT: 5, 8, 9, 11

Solutions...

page 90: #15. a) 44m; tangent is horizontal
b) ~ 6 s; -29.3 m/s, falling
c) 9.4 m/s

#16.



b) 2 months, ~ 2.9 months
c) approaches 2 m
d) 18 cm/month