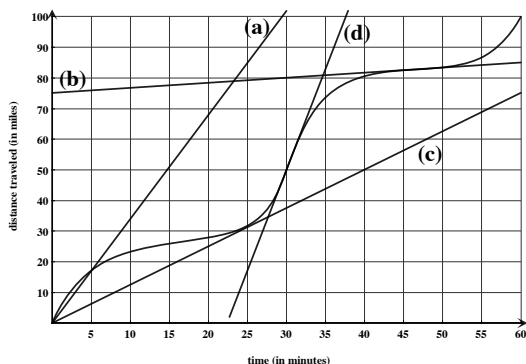


MATH 111 – FINAL EXAM Answers
Winter 2016

- 7 hundred dollars
 - ~ 4.8 dollars per Object
 - $q \approx 2.75$ and 6.5 hundred Objects
 - from $q \approx 5.1$ to $q \approx 9.75$ hundred Objects

2.



ORDERED: (smallest) (b) (c) (a) (d) (largest)

- 89.5 dollars
 - from $q = 0$ to $q = 18.32$ hundred Things
 - 23.5 dollars per Thing
 - from $q = 10$ to $q = 15$ hundred Things
- $(q, p) = (52, 72)$
 - $\frac{f(x+h) - f(x)}{h} = -2x - h + 3$
- 8.38%
 - \$1522.34
 - 22 payments
- Account A: 7.46%; Account B: 7.25%
 - \$8344.64
 - 27.09 years
 - \$34,800
- \$2987.43
 - \$6698.32