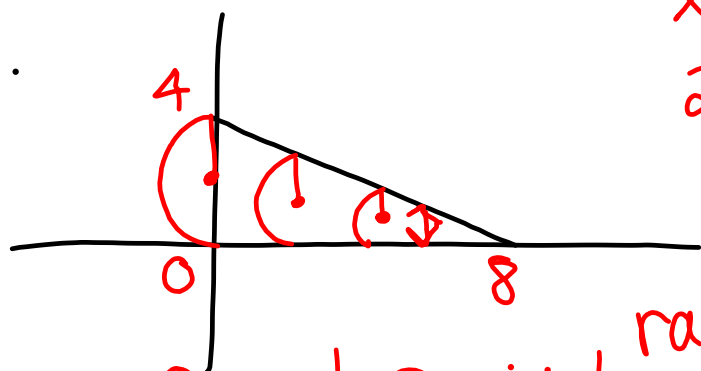


- | | | |
|------|-------|-------|
| 1. D | 6. A | 11. D |
| 2. C | 7. D | 12. E |
| 3. C | 8. A | 13. E |
| 4. C | 9. D | 14. C |
| 5. E | 10. A | 15. B |

3.



$$x + 2y = 8$$

$$2y = -x + 8$$

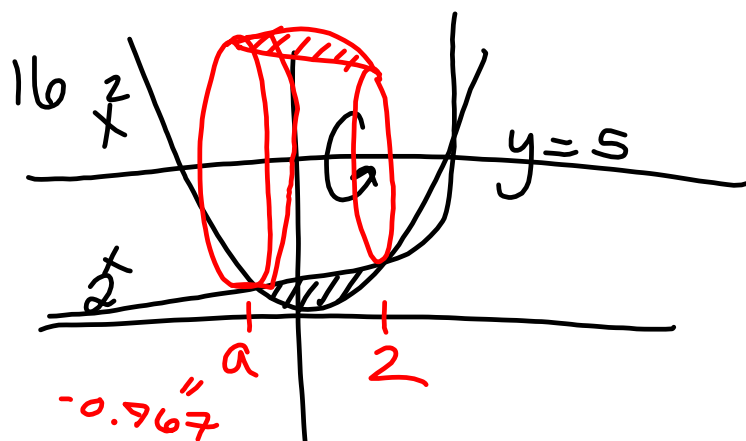
$$y = \frac{-x + 8}{2}$$

radius of each
semicircle is
 $\frac{1}{2}(-x + 8)$

area of each semicircle

$$\text{is } \frac{1}{2} \pi \left(\frac{-x + 8}{4} \right)^2$$

$$V = \int_0^8 \frac{1}{2} \pi \left(\frac{-x + 8}{4} \right)^2 dx$$



$$\int_a^2 \pi (5-x^2)^2 dx - \int_a^2 \pi (5-2^x)^2 dx$$

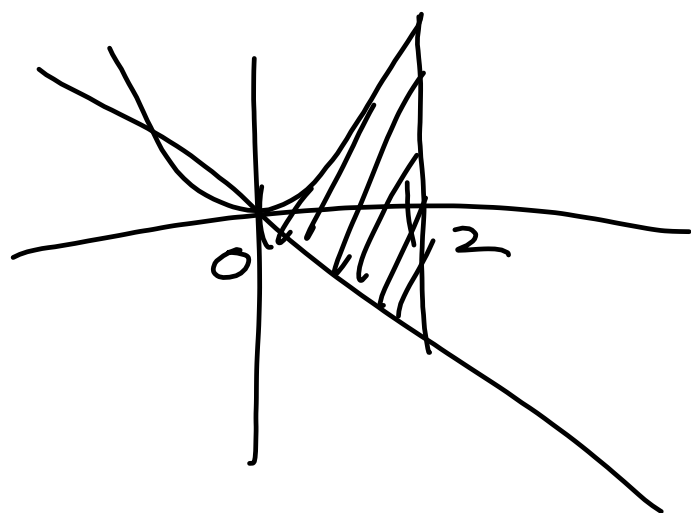
$$= \pi \int_a^2 [(5-x^2)^2 - (5-2^x)^2] dx$$

If f is linear

f' is constant

f'' is zero





$$\int_0^2 [x^2 - (-x)] dx$$

Thurs — BC — logistic diff eq
&
Euler's method
AB — M.C. practice
Fri — HW due & more F.R.Q.'s
Mon — Test