

Answers to AP side 1:

2008 #1:

a) 4.5

b) 41.4π

c) 8.1

2009 #4: (NC)

a) $4/3$

b) $8/15$

c) $\pi \int_0^4 (2 - \frac{1}{2}x)^2 - (2 - \sqrt{x})^2 dx$

2010 #1:

a) 6.817

b) 53.533π

c) 26.267

Answers to AP side 2:

2003 #1:

a) .443

b) $.453\pi$

c) 1.554

2004 #2:

a) 1.133

b) 5.15π

c) 15

2005 #1:

a) .065

b) .410

$\pi \int_{.178}^1 (\frac{1}{4} + \sin \pi x + 1)^2 - (4^{-x} + 1)^2 dx$