Ap Calculus Pretest

1. Complete the table

dy/dx y

8

8x

Sin2x

Cos2x

Sec24x

X2 + 2

e2x

e-3x

X.5

Sec3xtan3x

X.5

1/(x-2)

x/(x2 -4)

4/(x-4)

Part B – Find the area

1. Y = 4x from 0 to 4 2) y = x2 – 3 from 1 to 5
2. Y = sin 2x from 0 to pi 4) y = 1/ ( 2x+2 ) from 0 to 2

Part c – Find the average value

Y = 4x 0 to 8

Y = x2 1 to 4

Y = x.5 0 to 9

Y = sin x 0 to 2 pi