Name _____Quiz 2

Please clearly show all your work on the following problems.

1) Find the integral below.

$$\int x \cos(x)\, dx$$

2) Find the first 5 terms in the sequence below.

$$\left\{ \frac{2}{n} \right\}$$

3) Find the first 5 terms in the series below.

$$\sum_{k=1}^{\infty} \frac{2}{k}$$

4) Find the integral below.

$$\int_{-1}^{1} \frac{1}{\sqrt{|x|}} \, dx$$