

NAME:

ID number:

1. Let

$$f(x) = \cos(x^3) \qquad g(x) = (\cos x)^3.$$

Is f even, odd, or neither? Explain.

Is g even, odd or neither? Explain.

2. Solve for x .

$$\log_5 x = \log_{25} 18 - \log_{25} 2.$$