

## Quiz #6

SHOW YOUR WORK

1. (6 points) Compute the value of  $y''$  at the point  $(1, 2)$  on the curve  $x^3 + xy^2 + 3 = y^3$ .

2. (4 points) Let  $f(x) = (\cos x)^{2/x}$ . Compute  $f'(x)$ .

## Quiz #6

SHOW YOUR WORK

1. (6 points) Compute the value of  $y''$  at the point  $(1, -2)$  on the curve  $x^3 + xy^2 - 13 = y^3$ .

2. (4 points) Let  $f(x) = (\sin x)^{3/x}$ . Compute  $f'(x)$ .