

# CSE 130 (Wi 25) Handout

Feb 13, 2025

## Question 1

What is the value of q1?

```
map :: (a -> b) -> [a] -> [b]
```

```
q1 = map (\(x, y) -> x + y) [1, 2, 3]
```

(A) [2, 4, 6]

(B) [3, 5]

(C) Syntax Error

(D) Type Error

(E) None of the above

## Question 2

What does q2 evaluate to?

```
foldr f b [] = b
foldr f b (x:xs) = f x (foldr f b xs)
```

```
-- >>> q2
```

```
-- _____
```

```
quiz2 = foldr (\x v -> x : v) [] [1,2,3]
```

## Question 3

What does q3 evaluate to?

```
foldl f b xs = helper b xs
  where
    helper acc [] = acc
    helper acc (x:xs) = helper (f acc x) xs
```

```
-- >>> q3
```

```
-- _____
```

```
quiz = foldl (\xs x -> x : xs) [] [1,2,3]
```