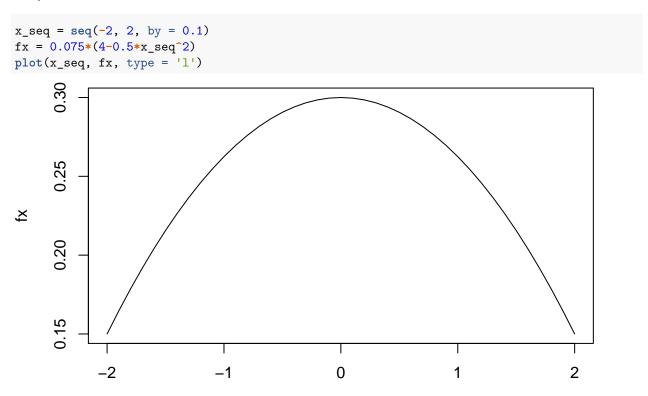
CH 4.1
Patrick Wong

10/24/2018

## MATH 324 Ch 4.1

## PDF (Probability Density Function): Calculations

## 1A)



PDF: Calculations Written as Word Problems & More Exotic Looking Densities 3A)

x\_seq

```
y_seq <- seq(0, 10, by = 1)
ylength <- length(y_seq)
yz <- 1:ylength
Ysum <- y_seq
for (y in yz){
  for(j in 1:y){
   if ((y >= 0) && (y < 5 )){
      Ysum[y] = (1/25)*(y)</pre>
```

```
}
else if((y >= 5) && (y < 10)){
    Ysum[y] = (2/5)-((1/25)*(y))
}
else{
    Ysum[y] = 0
}
}
plot(y_seq,Ysum, type = "l")</pre>
```

