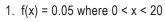
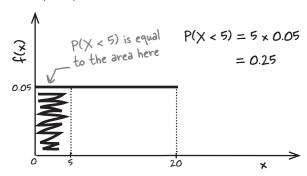
BE the probability density function solution Abunch of probability density functions

A hunch of probability density functions have lost track of their probabilities. Your job is to play like you're the

probability density function and work out the probability between the specified ranges. Draw a sketch if you think that will help.



Find P(X < 5)

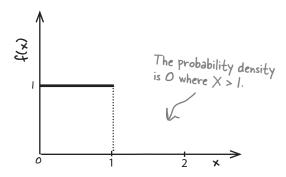


3.
$$f(x) = 1$$
 where $0 < x < 1$

Find P(X > 2)

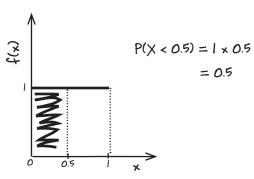
The upper limit of \times for this probability density function is I, which means that it's O above this.

$$P(x > 2) = 0$$



2.
$$f(x) = 1$$
 where $0 < x < 1$

Find P(X < 0.5)



4.
$$f(x) = 0.1 - 0.005x$$
 where $0 < x < 20$
Find $P(X > 5)$

When x = 5, f(x) = 0.075. This means we have to find the area of a right-angled triangle with height 0.075 and width 15.

