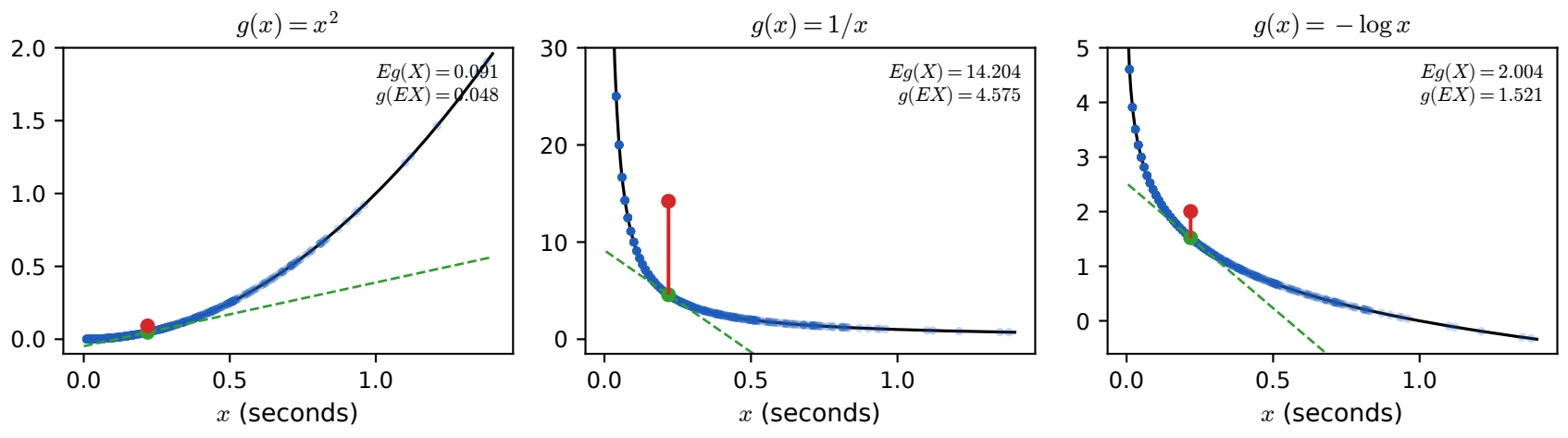

$g(x) = x^2$
$Eg(X) = 0.091$
$g(EX) = 0.048$
x (seconds)
$g(x) = 1/x$
$Eg(X) = 14.204$
$g(EX) = 4.575$
x (seconds)
$g(x) = -\log x$
$Eg(X) = 2.004$
$g(EX) = 1.521$
x (seconds)