

Crappy 1.4 Busy work

1) using  $(15, 245)$ , find  $m$  for line  
 $(x_1, y_1)$

between it and  $(x_2, y_2) =$

a)  $(5, 680)$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{245 - 680}{15 - 5} =$$

b)  $(10, 441)$

$$m = \frac{245 - 441}{15 - 10} = -39.2$$

c)  $(20, 102)$

$$m = \frac{245 - 102}{15 - 20} = -28.6$$

Average b & c to get  
 an estimate

3

```
Plot1 Plot2 Plot3
\Y1=7/(6-3*7)
\Y2=X/(6-3*X)
\Y3=X-7
\Y4=(Y2(X)-Y1)/(
X-7)
\Y5=
\Y6=
```

$$f(x) = \frac{x}{6-3x}$$

Doing  $\frac{f(x) - f(7)}{x - 7}$ , for

$$x = 6.9, 6.99, \dots$$

```
Y4(6.99) .0272108844
Y4(6.999) .0267201069
Y4(6.9999) .0266720011
Y4(6.99999) .0266672
```