

Chapter 4 Test

1) $m = -\frac{1}{4}$

3)

a) $m = 2.5 \frac{\text{in}}{\text{yr}}$

b)

Time (yrs)	Height (in)
0	250
2	255
4	260

5)

a) $m = -\frac{2}{3}$

b) $(0,2)$

7) $y = 5x - 7$

9) Both companies charge the same amount when their trucks are driven 100 miles.

11) $(\frac{2}{3}, -\frac{1}{7})$

13) The larger angle measures 127.5° and the smaller angle measures 52.5° .