

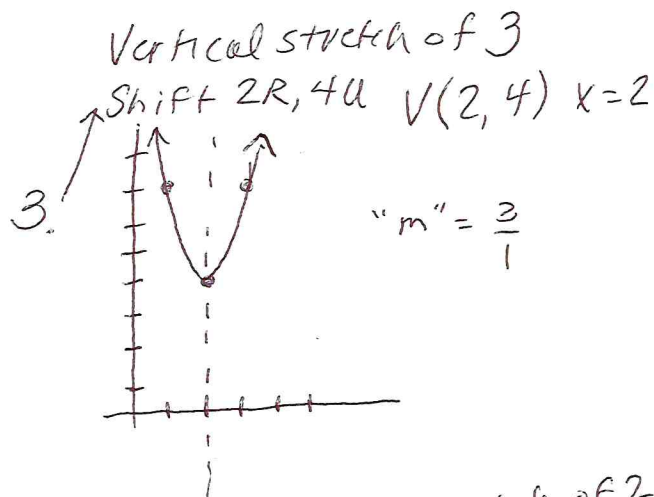
T/PC

Sh 2

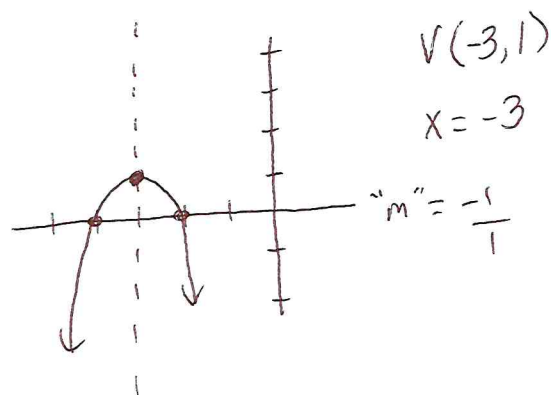
Sec 2.1 Review

1. $f(x) = -x - 5$

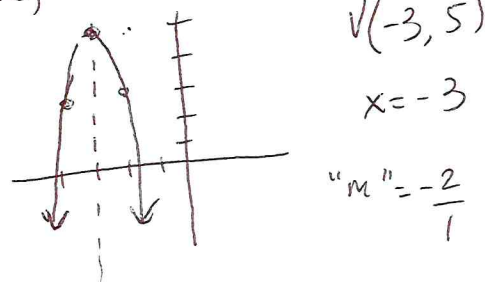
2. $f(x) = -2x$



4. Vertical reflection, shift 3L, 1U



5. Vertical reflection, vertical stretch of 2
shift 3L, 5U



6. $f(x) = -2(x+4)^2 + 1$

7. $g(x) = 3(x-1)^2 - 1$

8. $f(x) = \frac{5}{9}(x+2)^2 - 3$

9. $f(x) = -\frac{3}{16}(x+1)^2 + 1$

10. $f(x) = \frac{1}{2}(x-3)^2 - 2$

11. $f(x) = -\frac{1}{2}(x+4)^2 + 5$

12. $(0, 40000) \rightarrow (20, 0)$ Eqn $\Rightarrow y = -2000x + 40000$

After 8 years, the mower is worth \$24000

13. Years since 1970 | Hourly Wage

5 | 4.73 6.36

15 | 8.74 13.06

25 | 11.65 17.19

32 | 16.13 21.37

$y = -0.541x + 4.072$

$y = 0.371x + 2.891$

$m \approx 0.37$

The hourly wage rises about 37¢

per year $m \approx 0.54$

2010
b) In 2015, the hourly wage for a production worker is about \$19.59

\$25.70

The hourly wage increases about 54¢ per year

* Red Answers are if you used the green book