

Unit 4 Review

Solve for the specific variable.

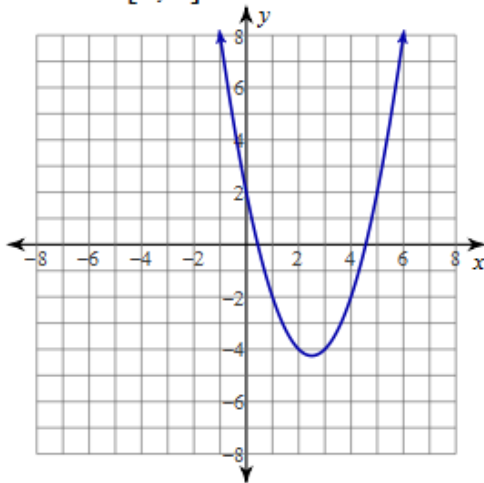
1. $T = 2jk + 2kl + 2jl$; solve for j .

2. $F = ma$; solve for m .

3. $S = 4\pi r^2$; Solve for r .

4. $ac = b + c$; solve for b .

Find the average rate of change.

5. Interval $[2, 5]$ 

6. Nelson took a summer job, for five weeks, where he received a weekly salary plus tips. His take-home pay is recorded in the table. What was the average rate of change in his weekly take-home pay over the five weeks of his job?

Week	Weekly Salary
1	\$60
2	\$65
3	\$72
4	\$75
5	\$80

7. $f(x) = -3x^2 - 5x + 3$ on $[-1, 6]$

8. Find the average rate of change on the intervals $[2, 3]$

9. $f(x) = -2x^2 - 4$ on $[-3, -1]$

x	f(x)
1	21
2	18
3	16
4	10
5	8