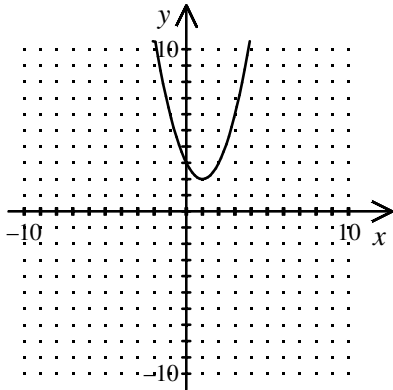
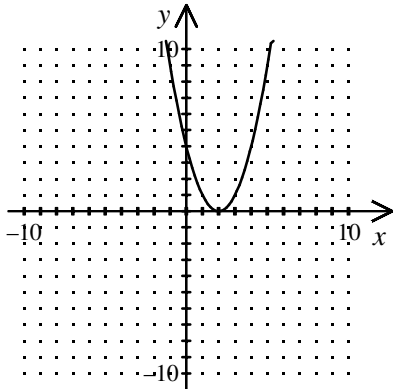


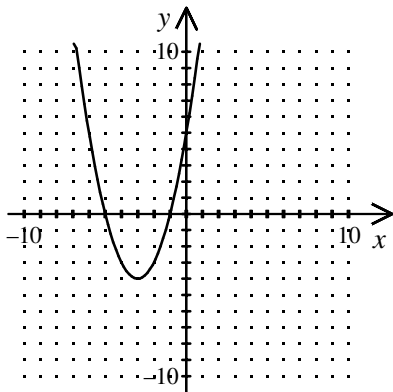
Algebra 2
Chapter 5 Review Sheet



[1] _____



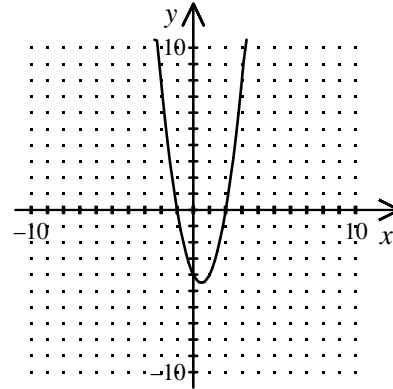
[2] _____



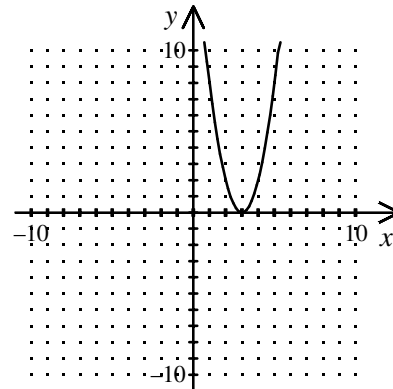
[3] _____

[4] minimum, 3

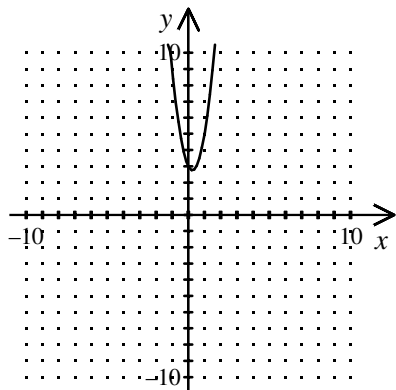
[5] maximum, 5



[6] The real roots are $x = -1$ and $x = 2$.



[7] The real root is $x = 3$.



[8] The equation has no real roots.

Estimate the solutions to 3 decimal places.

[9] -1.736
 2.736

[10] $x = 5, -\frac{3}{4}$

[11] $x = 3, -\frac{1}{4}$

[12] $9x^2 - 3x - 2 = 0$

[13] $x^2 - 4x + 1 = 0$

[14] $\frac{2 \pm \sqrt{10}}{3}$

[15] $\frac{-2 \pm \sqrt{19}}{3}$

[16] The discriminant is 0 and there is one real, rational root.

[17] The discriminant is 144 and there are two real, rational roots.

[18] The discriminant is 28 and there are two real, irrational roots.

[19] $x = -\frac{2}{3}$

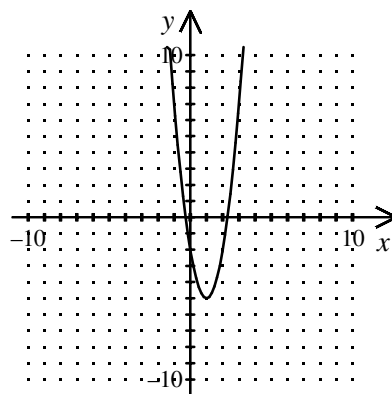
[20] $x = 4$

[21] $(-2, -10)$

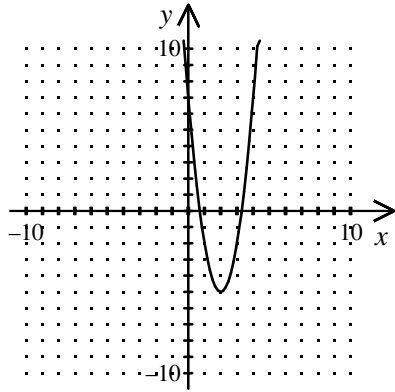
[22] $(2, -12)$

[23] $y = 5(x + 7)^2 + 3$

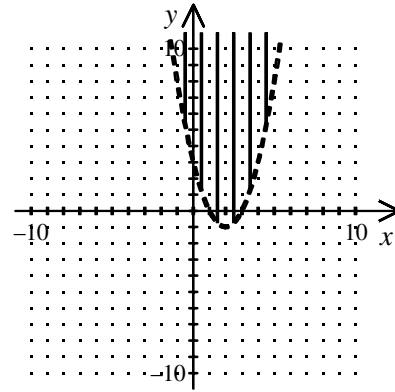
[24] $y = -4(x - 2)^2 + 6$



[25] $y = 3(x - 1)^2 - 5$

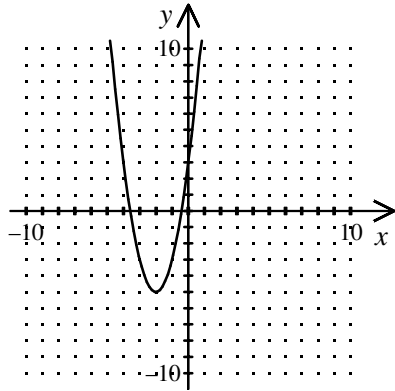


[26] $y = 3(x - 2)^2 - 5$



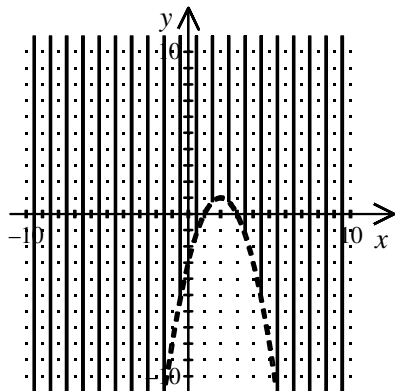
[29]

[30] $x < -6$ or $x > 4$



[27] $y = 2(x + 2)^2 - 5$

[31] $-9 < x < 4$



[28]
