

Calculate the x-intercepts (if any), and y-intercept for each of the following quadratic functions in vertex form:

1. $f(x) = -2(x - 5)^2 + 32$

2. $f(x) = (x + 7)^2 - 25$

3. $f(x) = 8(x + 3)^2$

4. $f(x) = -4(x - 4)^2 + 64$

5. $f(x) = -3(x + 1)^2 - 12$

6. $f(x) = (x - 10)^2 - 1$

7. $f(x) = (x + 3)^2 - 25$

8. $f(x) = 5(x - 2)^2 - 5$

9. $f(x) = -2(x - 8)^2 - 98$

10. $f(x) = 10(x + 11)^2 - 810$

11. $f(x) = 3(x - 4)^2 - 24$

12. $f(x) = -(x + 2)^2 + 20$