

NAME:

DATE:

A2.Q2.BERMELLEEMBO: NEXT LEVEL FACTORING

DAY N2

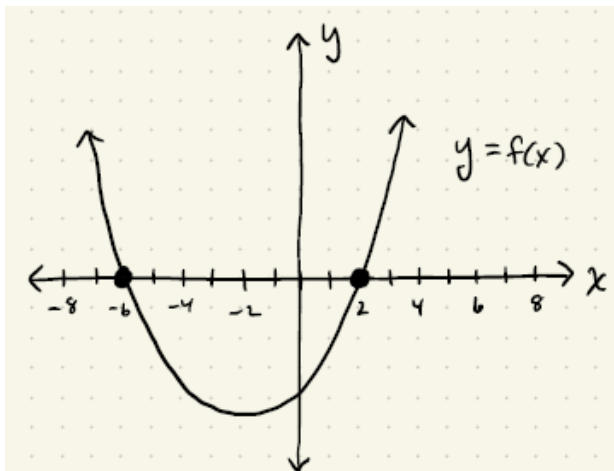
(GRAPH TO ZEROS TO FACTORS)

MASTERY PRACTICE

$y = f(x)$ is a quadratic function whose graph is shown. Write the factorization of $f(x)$.

Assume the leading coefficient is 1.

1.

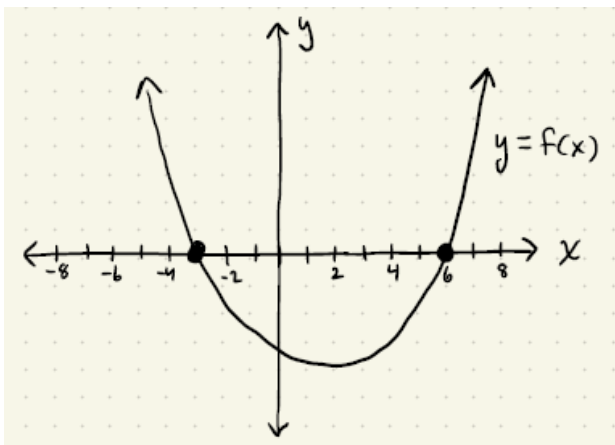


Zeros: _____

Factors: _____

Factorization: _____

2.

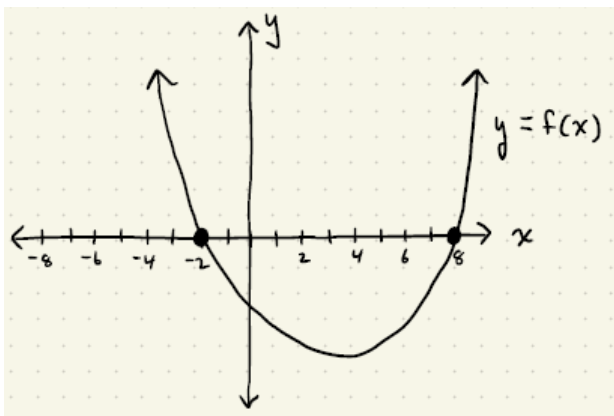


Zeros: _____

Factors: _____

Factorization: _____

3.



Zeros: _____

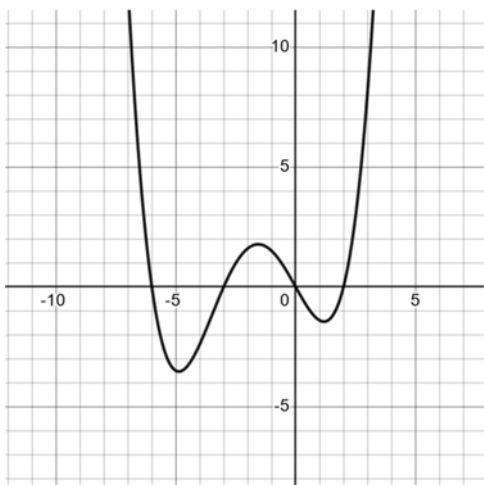
Factors: _____

Factorization: _____

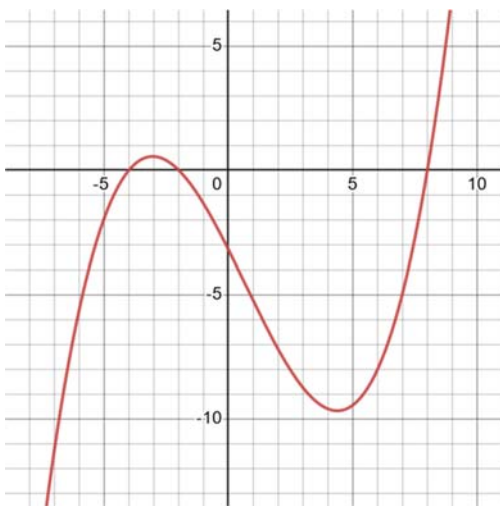
$y = f(x)$ is a polynomial function whose graph is shown. Write the factorization of $f(x)$.

Assume the leading coefficient is 0.05.

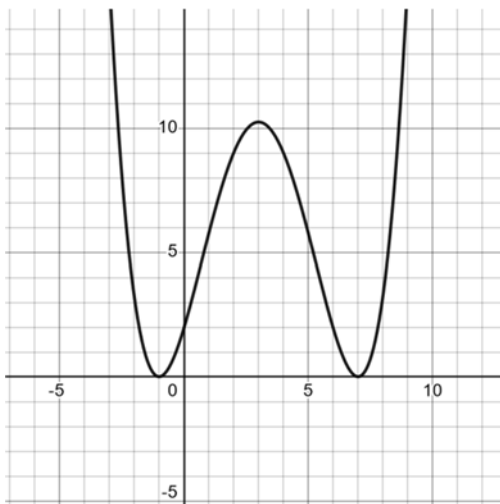
4.



5.



6.



7. Solve $(x+4)(x-7)(x+12)=0$

8. Solve: $(3x+4)(5x-1)(4x+12)=0$

9. Solve: $x(x+8)(x-2)=0$

10. Factor: $2x^2 + x - 15$

11. Factor: $7x^2 - 175$

12. Factor: $8x^3 - x^2y - 32xy + 4y^2$