

Unit 2: Review for Quiz 1

Date _____ Period _____

Name each polynomial by degree and number of terms.

1) $8n^2 - 9 - 2n$

2) $-7p^4 - p - 4$

3) $-6b^3 - 8b - 2$

4) $-6m$

Simplify each expression.

5) $(7b - b^2 - 7b^4) + (7b^2 + 4b^4 - b)$

6) $(6n^3 + 7 + n^2) - (8n^3 - 5n^4 + 2n^2)$

7) $(6x^2 + 7x^4 + 8x^3) + (6x^4 - 3 - 3x^2)$

8) $(5n^3 + 5n^4 - 3n) - (2n^4 - 5n^3 + 6n)$

Find each product.

9) $2(2x^2 + 7x - 3)$

10) $7v^2(8v^2 - 6v - 8)$

11) $(8a - 8)(6a - 2)$

12) $(3a - 5)(3a + 5)$

13) $(3n - 8)(7n^2 + n - 8)$

14) $(7v - 4)(3v^2 - 8v - 1)$

Expand completely.

15) $(u - 2)^5$

16) $(3x + 2)^3$

Name: _____

Date: _____

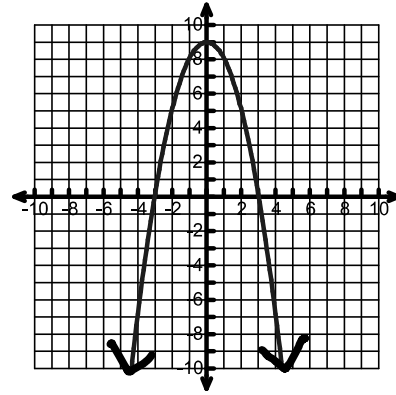
Identify the following characteristics given the graph:

1. Domain: _____

Range: _____

Zeros: _____

Y-intercept: _____

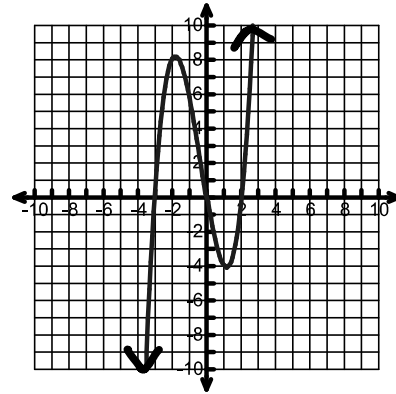


2. Domain: _____

Range: _____

Zeros: _____

Y-intercept: _____

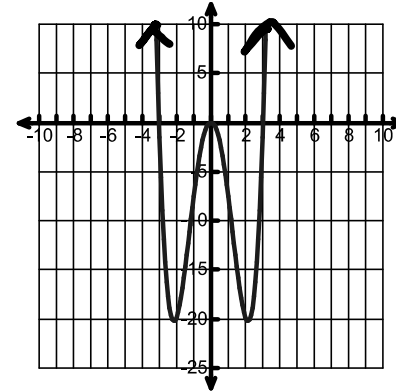


3. Domain: _____

Range: _____

Zeros: _____

Y-intercept: _____



4. Domain: _____

Range: _____

Zeros: _____

Y-intercept: _____

