Name_____

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) $6b^4 - 8b^3 - b^8 - b$

2) $9x - 2x^3$

3) $-7n^6$

4) -5

5) $-6m^3 + 2m - 4m^2$

6) $-2k - 2$

7) $-5p^5 + 5p^4 - 4p^6 - 7p^7 + 9p^3 + 8p$

8) $-2k + 5 - k^4 - 2k^2 - k^3$

9) $x^8 + 4x^5 - 4 + 5x^3 - 10x^7$

10) x^2

11) $6n + n^5$

12) $7n^5 + 2n^8 + 4n^2 - 5n^3$

13) $8p - p^3 + 9$

14) 7

15) $-7v - 5v^3 - 3 - 9v^2$

16) $4n$

17) $-10n^5 - 4 + 3n^2 - 7n + 2n^7 + 10n^3$

18) $-m - 3m^2 - 7m^4$

19) $7n^2 - 6n$

20) $9b + 3b^5 + b^2 + b^7 - 8$

21) $6r + 8r^4 + 7r^5 + 7r^2$

22) $9x^3 + x^7 + 4x^6 - 9x^8 - 3x^2$

23) $7 + 9x - 3x^3$

24) $10x + 4x^6 - 8x^2$

Answers to Assignment (ID: 1)

1) eighth degree polynomial with four terms
2) cubic binomial
3) sixth degree monomial
4) constant monomial
5) cubic trinomial
6) linear binomial
7) seventh degree polynomial with six terms
8) quartic polynomial with five terms
9) eighth degree polynomial with five terms
10) quadratic monomial
11) quintic binomial
12) eighth degree polynomial with four terms
13) cubic trinomial
14) constant monomial
15) cubic polynomial with four terms
16) linear monomial
17) seventh degree polynomial with six terms
18) quartic trinomial
19) quadratic binomial
20) seventh degree polynomial with five terms
21) quintic polynomial with four terms
22) eighth degree polynomial with five terms
23) cubic trinomial
24) sixth degree trinomial

Name_____

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) -1

2) $-8a - 4a^3 + 10 - a^2$

3) $x^5 - 2x^3 - 3x^7$

4) $-5x$

5) $-2b^4 + 1 + 2b$

6) $-x^7 + 4x$

7) $9 - 7r^2$

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

9) $-4m^8$

10) $8b + 6b^2$

11) -2

12) $-4k^6 - 6k - 7k^4 - 9k^2$

13) $7n^3$

14) $-6m - 1$

15) $-9a^7 - a^6 - 10a$

16) $a^3 - 10a^2 + 8a - 10a^4$

17) $10m^7 + 6m^4$

18) $-2 - 8a^2$

19) $-x^5 + 2 + 8x^2 + 10x^4 - 9x^3$

20) $-9k^3 + 8k^8$

21) $-x^2$

22) $3k^6 + 5k - 5k^2 + 10k^3$

23) -10

24) $9r^3$

Answers to Assignment (ID: 2)

1) constant monomial   2) cubic polynomial with four terms   3) seventh degree trinomial

4) linear monomial   5) quartic trinomial   6) seventh degree binomial

7) quadratic binomial   8) quintic polynomial with five terms

9) eighth degree monomial   10) quadratic binomial   11) constant monomial

12) sixth degree polynomial with four terms   13) cubic monomial   14) linear binomial

15) seventh degree trinomial   16) quartic polynomial with four terms

17) seventh degree binomial   18) quadratic binomial

19) quintic polynomial with five terms   20) eighth degree binomial

21) quadratic monomial   22) sixth degree polynomial with four terms   23) constant monomial

24) cubic monomial

Name_____

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) $x + 9$

2) $2 - 9n^4$

3) $-3n^4 + 2 + n^5 + 9n^3 - 10n^6 + 2n$

4) $7x + 7 - 2x^3 - 7x^5 + 4x^7$

5) $8a^2 - 9$

6) $-8b^2 + 9b^5$

7) $-8a^4 + 6a^5 - 2a^8 + 4a^6$

8) $7b^2$

9) $-10n^6$

10) 10

11) $9x^3 - 1$

12) $-5n - 2$

13) $4n^3 - 8n^5 + 2n^6 - 2n - 5 - 10n^4$

14) $3n^2 + 4n^4 + n^3$

15) $-2b + 10$

16) $-10m^6 + 9m^3 - 3m^7 - 5m^2 + m^5$

17) $5x^5 - 5$

18) $-6n^8 - 4n^6 + 3n^2 - 8 + 5n$

19) r^2

20) $-5k^5$

21) 2

22) $8 - 4v^3$

23) $-6b^6$

24) $-p$

Answers to Assignment (ID: 3)

1) linear binomial
2) quartic binomial
3) sixth degree polynomial with six terms
4) seventh degree polynomial with five terms
5) quadratic binomial
6) quintic binomial
7) eighth degree polynomial with four terms
8) quadratic monomial
9) sixth degree monomial
10) constant monomial
11) cubic binomial
12) linear binomial
13) sixth degree polynomial with six terms
14) quartic trinomial
15) linear binomial
16) seventh degree polynomial with five terms
17) quintic binomial
18) eighth degree polynomial with five terms
19) quadratic monomial
20) quintic monomial
21) constant monomial
22) cubic binomial
23) sixth degree monomial
24) linear monomial

Name_____

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) m^4

2) $5p - 1$

3) $x^7 + 10x^6 - 5 - 3x^5 + 7x^3 - x^4$

4) $6 + 2k^3 - k^5 - 7k - 4k^2$

5) $-5x^6 - 7 + 9x^8 - 4x^7 + 7x^2$

6) $8m^2$

7) $6n^5 + 4 - 4n - n^3$

8) -7

9) $7p^3 + 1 + 10p^2$

10) $6v^3 - 6v^5 + 5v^6$

11) -5

12) $5x^2 - 3x^4$

13) $-9k^7 - 9k^2$

14) $7x$

15) $9r^8$

16) $-2n + 10n^5 + 10n^3 - 5n^4 + 7$

17) $8 - 7n^2$

18) $7x^3 - 10x^5 + 7x + x^4$

19) $6m^3 + 2 + 10m^2$

20) $-8v^6 + 5v^5 + 7v^2$

21) $6x^3 - 10x^4$

22) $2 - 8x^5 + 3x^7$

23) $-2r$

24) $2a - 1 + 4a^4 - 4a^3 + 5a^2$

Answers to Assignment (ID: 4)

1) quartic monomial
2) linear binomial
3) seventh degree polynomial with six terms
4) quintic polynomial with five terms
5) eighth degree polynomial with five terms
6) quadratic monomial
7) quintic polynomial with four terms
8) constant monomial
9) cubic trinomial
10) sixth degree trinomial
11) constant monomial
12) quartic binomial
13) seventh degree binomial
14) linear monomial
15) eighth degree monomial
16) quintic polynomial with five terms
17) quadratic binomial
18) quintic polynomial with four terms
19) cubic trinomial
20) sixth degree trinomial
21) quartic binomial
22) seventh degree trinomial
23) linear monomial
24) quartic polynomial with five terms

Name_____

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) $-2m^4 + 2m^8$

2) $10x^2$

3) 5

4) $-b^3 - 2 - 3b^2 + 2b^4 + 3b^5$

5) $5n^3 + 3 + 3n^2 - 5n$

6) $-1 - 5n^5 + 8n^6 + 2n^4$

7) 7

8) $-2n^4$

9) $-8 - 6k^7 + k^2$

10) $n + 7$

11) $3n^2 - 9n^4 - 10n^3$

12) $-1 + 5n^6 + 9n^8 - 10n^4$

13) $-x^2 - 9$

14) $-n^5$

15) $6k^3 - 2k^7 + 5k^8 + k$

16) $4x^3 + 3 + 3x + 2x^2$

17) $7n^2 + 6n^5 + 10n^6 - 8n^4 - 6n^3 - 5$

18) $-3x^4$

19) $9b + 10$

20) $3 - 5n^3 - 10n^4 + 2n^2 + 6n^7 + 7n^6$

21) $4n^3 - 8 - 3n^4$

22) $1 + 10x^8 + 2x^3 - 3x^4 + 10x$

23) $-10r^2$

24) $-8k^5 - 9k$

Answers to Assignment (ID: 5)

1) eighth degree binomial 2) quadratic monomial 3) constant monomial
4) quintic polynomial with five terms 5) cubic polynomial with four terms
6) sixth degree polynomial with four terms 7) constant monomial 8) quartic monomial
9) seventh degree trinomial 10) linear binomial 11) quartic trinomial
12) eighth degree polynomial with four terms 13) quadratic binomial 14) quintic monomial
15) eighth degree polynomial with four terms 16) cubic polynomial with four terms
17) sixth degree polynomial with six terms 18) quartic monomial 19) linear binomial
20) seventh degree polynomial with six terms 21) quartic trinomial
22) eighth degree polynomial with five terms 23) quadratic monomial 24) quintic binomial

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) $7 + 8a^8 + 10a^7 + 8a^4$

2) $3x^3 + 4 - 5x + 9x^2$

3) n^6

4) -2

5) $-4k^3 + 9k$

6) $3p$

7) $-7v^7 - 3v^6 + 9v - 2v^5 + 2v^2 - 9v^3$

8) $5n^4 + 5n^2$

9) $-10p + 3p^6 + 7p^7 + 6 - 7p^5$

10) $-10 + 10m^2$

11) $-7n^4 - 2n^5 + 9n^3 + 7n$

12) $10n^3$

13) $9n^4 + 6n^2 + 6n^8 + 4 + 4n^7$

14) $7v^5 - 8v^6 - 5v^2$

15) -10

16) $-5n^3 + 10n$

17) $4n^7 - 2n^2 - 2n^3$

18) $-7m$

19) $6x^4 + 6x^3$

20) $n^7 + 4n^2$

21) $9 + 10m^2$

22) $-b^8$

23) $6r^5 + 6r^2 - r^4 + 8 - r^3$

24) $3v^2$

Answers to Assignment (ID: 6)

1) eighth degree polynomial with four terms   2) cubic polynomial with four terms

3) sixth degree monomial   4) constant monomial   5) cubic binomial   6) linear monomial

7) seventh degree polynomial with six terms   8) quartic binomial

9) seventh degree polynomial with five terms   10) quadratic binomial

11) quintic polynomial with four terms   12) cubic monomial

13) eighth degree polynomial with five terms   14) sixth degree trinomial   15) constant monomial

16) cubic binomial   17) seventh degree trinomial   18) linear monomial

19) quartic binomial   20) seventh degree binomial   21) quadratic binomial

22) eighth degree monomial   23) quintic polynomial with five terms

24) quadratic monomial

Name_____

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) 10

2) $7 - 3n^5 - 6n^6 - 3n$

3) $-7b - 10b^3 - 3b^2$

4) $-6 - 4n^5 + 7n^7$

5) $5n$

6) $7x^4 - 2x - 2x^2$

7) $-9p^7 + 6p^5$

8) $10x^2 + 8$

9) $7n^3 - 8 + 10n^4 + 10n^2 + 9n^5$

10) $-9p^6 - 7p^8$

11) $10x^2$

12) 2

13) $-6n^2 + 8n^4 - 5n^6 + 8n$

14) $5 - 9n - 10n^3$

15) $-4r^6 + 5r + 1 + 7r^5$

16) $-9 - 7r$

17) $-2k^4$

18) $2n^7 + 7 + 5n^2$

19) $-9r^2 + 7$

20) $-x^5 + 7x^3$

21) $-8k^8 + 4$

22) $4n^2$

23) $8k^6$

24) -7

Answers to Assignment (ID: 7)

1) constant monomial   2) sixth degree polynomial with four terms   3) cubic trinomial

4) seventh degree trinomial   5) linear monomial   6) quartic trinomial

7) seventh degree binomial   8) quadratic binomial

9) quintic polynomial with five terms   10) eighth degree binomial

11) quadratic monomial   12) constant monomial   13) sixth degree polynomial with four terms

14) cubic trinomial   15) sixth degree polynomial with four terms   16) linear binomial

17) quartic monomial   18) seventh degree trinomial   19) quadratic binomial

20) quintic binomial   21) eighth degree binomial   22) quadratic monomial

23) sixth degree monomial   24) constant monomial

Assignment

Name each polynomial by degree and number of terms.

1) $6 + 2x$

2) $4x - 8x^3 - 10 - 10x^2$

3) $9x^4 - 9x$

4) $3r^3 + 3r + 3r^6 + 4r^2 + 1 - 10r^5$

5) $9a + 1$

6) $9x^3 + 3x^7 + x^4 + 2x^5 + 7x^6$

7) $-7b^4 - b^5$

8) $-6x^2 + 2x^8 + 9x^7 - 8x^5$

9) $-9v^2$

10) n^6

11) -7

12) $3x^2 - 7x + 4x^3 + 5$

13) $10n^6 - 7n + 4 + 2n^2 - 3n^4 - n^3$

14) $-3a$

15) $10p^2 - 8p^3 - 1 - 9p + 8p^4$

16) $-10a^5 + 10a^6 + a^7 + 5a^2 - 10a^4 + 6a$

17) $3 - 10v$

18) $-8x^2 + x^5 + 10x - 7 - 6x^3$

19) $-7r^2 - 5r^3 + 7 - 7r^5$

20) $-4r^2 - 9r^4 + 5r^5 + r^6 + 9r^8$

21) $6x^2$

22) 5

23) $2r^3$

24) $-4n + 4n^6 + 6n^3$

Answers to Assignment (ID: 8)

1) linear binomial 2) cubic polynomial with four terms 3) quartic binomial
4) sixth degree polynomial with six terms 5) linear binomial
6) seventh degree polynomial with five terms 7) quintic binomial
8) eighth degree polynomial with four terms 9) quadratic monomial
10) sixth degree monomial 11) constant monomial
12) cubic polynomial with four terms 13) sixth degree polynomial with six terms
14) linear monomial 15) quartic polynomial with five terms
16) seventh degree polynomial with six terms 17) linear binomial
18) quintic polynomial with five terms 19) quintic polynomial with four terms
20) eighth degree polynomial with five terms 21) quadratic monomial 22) constant monomial
23) cubic monomial 24) sixth degree trinomial

Assignment

Date_____ Period_____

Name each polynomial by degree and number of terms.

1) 7

2) $-5n^4$

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

4) $6x$

5) $6k^5 + 8k^4 - 5k^2 - 8k - 9k^3$

6) $-x^8$

7) $-8 - 4x^2$

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

9) 5

10) $-9r^3$

11) $4n^3 - 6 + 7n^6$

12) $-6n^4$

13) $-9a^5 - 8a^7 + 9a^4$

14) $-4v$

15) $8k^4 + 6k^3 - 6k^2$

16) $-1 + 7n^8$

17) $8x^2$

18) $7x^3 + 9x^4 + 8 + 3x^5 + x^2$

19) -4

20) $-7n^3$

21) $-10r^6 + 5 + 9r^5 + 3r^3$

22) -2

23) $-8k^3 - 2k + 3k^2 + 5 + 2k^4$

24) $2x^7 + 7x - x^6$

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Answers to Assignment (ID: 9)

1) constant monomial 2) quartic monomial 3) seventh degree binomial
4) linear monomial 5) quintic polynomial with five terms
6) eighth degree monomial 7) quadratic binomial
8) quintic polynomial with four terms 9) constant monomial 10) cubic monomial
11) sixth degree trinomial 12) quartic monomial 13) seventh degree trinomial
14) linear monomial 15) quartic trinomial 16) eighth degree binomial
17) quadratic monomial 18) quintic polynomial with five terms 19) constant monomial
20) cubic monomial 21) sixth degree polynomial with four terms 22) constant monomial
23) quartic polynomial with five terms 24) seventh degree trinomial

Assignment

Name each polynomial by degree and number of terms.

1) $-9 - 9x$

2) $9m^4 - m$

3) $-8x^8 - 3x$

4) $4v^2 - 6$

5) $5x^5$

6) $-2a^8 - 4a^2$

7) $-1 + 9n^3$

8) $-3v^4 - 5 + 2v^3 - 2v - 5v^6 + 10v^2$

9) -10

10) $-7m^4 - 10m^3 + 7m - 7 + 6m^2$

11) $7 - 7a$

12) $-7x^7 + 8x^4 - 4x^3 + 8x^6 + 7 - 9x$

13) $10b^4 - b^3$

14) $9v^2$

15) $-6 - 5x^3 + 8x^2 - 3x^8 + 2x^7$

16) $3 + 9x^5$

17) $-7n^4 - 5n^8 + 9n^5 + 4n^3$

18) $-2 + 10x^3$

19) $9n^6$

20) 10

21) $-9x - 6x^2 - 9 - 7x^3$

22) $-7 + 4v$

23) $4m^5 + 10 + 7m^7 + 4m^2 - 5m^6 - 10m^3$

24) $4n^4$

Answers to Assignment (ID: 10)

1) linear binomial 2) quartic binomial 3) eighth degree binomial
4) quadratic binomial 5) quintic monomial 6) eighth degree binomial
7) cubic binomial 8) sixth degree polynomial with six terms 9) constant monomial
10) quartic polynomial with five terms 11) linear binomial
12) seventh degree polynomial with six terms 13) quartic binomial 14) quadratic monomial
15) eighth degree polynomial with five terms 16) quintic binomial
17) eighth degree polynomial with four terms 18) cubic binomial
19) sixth degree monomial 20) constant monomial
21) cubic polynomial with four terms 22) linear binomial
23) seventh degree polynomial with six terms 24) quartic monomial