#1

Find the degree of the monomial.

$2x$

#2

Factor each polynomial.

$40x - 16$

#3

Simplify the product.

$-5b^2(6b + 2)$

#4

Simplify each product.

$(5x + 7)(5x - 7)$

#5

Find the degree of the monomial.

$12a^3b^4$

#6

Name the polynomial based on its degree AND # of terms.

$9x^2 + 2x + 7$

#7

Simplify the product.

$2x(x^2 + 6)$

#8

Simplify each product.

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

#9 **Factor each polynomial.**

$12x^4 + 9x^3 + 27x^2 + 3x$

#10 **Simplify.**

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

#11

Simplify each product.

$(4x + 3)^2$

#12

Factor each polynomial.

$g^7 + 12g^5 + 9g^3 + 7g^2$

#13

Simplify each product.

$(5x + 3)(2x^2 + 4x - 1)$

#14

Simplify.

$(5x^2 - 2x) - (x^2 - 5x + 2)$

#15

Find the degree of the monomial.

$-5x^2y$

#16

Simplify the product.

$a^3(6a^2 - 2a + 12)$

#17

Name the polynomial based on its degree AND # of terms.

$7y + 2$

#18

Simplify.

$12a^4b - 20a^4b$

#19

Factor each polynomial.

$12x^2 + 42x + 6$

#20

Find the degree of the monomial.

7

#21

Name the polynomial based on its degree AND # of terms.

$7s^3 + 2$

#22

Simplify each product.

$(5x + 2)(3x - 7)$

#1

Find the degree of the monomial.

$2x$

linear

#2

Factor each polynomial.

$40x - 16$

$8(5x - 2)$

#3

Simplify the product.

$-5b^2(6b + 2)$

$-30b^3 - 10b^2$

#4

Simplify each product.

$(5x + 7)(5x - 7)$

$25x^2 - 49$

#5

Find the degree of the monomial.

$12a^3b^4$

7th degree

#6

Name the polynomial based on its degree AND # of terms.

$9x^2 + 2x + 7$

quadratic trinomial

#7

Simplify the product.

$2x(x^2 + 6)$

$2x^3 + 12x$

#8

Simplify each product.

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

$2x^3 + 5x^2 - 18x$

#9

Factor each polynomial.

$12x^4 + 9x^3 + 27x^2 + 3x$

$3x(4x^3 + 3x^2 + 9x + 1)$

#10

Simplify.

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

$4x^2 + 7x - 3$

#11

Simplify each product.

$(4x + 3)^2$

$16x^2 + 24x + 9$

#12

Factor each polynomial.

$g^7 + 12g^5 + 9g^3 + 7g^2$

$g^2(g^5 + 12g^3 + 9g + 7)$

#13

Simplify each product.

$(5x + 3)(2x^2 + 4x - 1)$

$10x^3 + 26x^2 + 7x - 3$

#14

Simplify.

$(5x^2 - 2x) - (x^2 - 5x + 2)$

$4x^2 + 3x - 2$

#15

Find the degree of the monomial.

$-5x^2y$

cubic

#16

Simplify the product.

$a^3(6a^2 - 2a + 12)$

$6a^5 - 2a^4 + 12a^3$

#17

Name the polynomial based on its degree AND # of terms.

$7y + 2$

linear binomial

#18

Simplify.

$12a^4b - 20a^4b$

$-8a^4b$

#19

Factor each polynomial.

$12x^2 + 42x + 6$

$6(2x^2 + 7x + 1)$

#20

Find the degree of the monomial.

7

constant

#21

Name the polynomial based on its degree AND # of terms.

$7s^3 + 2$

cubic binomial

#22

Simplify each product.

$(5x + 2)(3x - 7)$

$15x^2 - 29x - 14$