

Assignment

Date _____ Period _____

Find each product.

1) $8(2m + 4)$

2) $2(4x - 6)$

3) $6a(3a + 6)$

4) $2r(3r + 1)$

5) $4r^2(8r - 2)$

6) $8x^2(6x - 8)$

7) $(4x + 5)(3x - 6)$

8) $(3r + 2)(8r + 5)$

9) $(2n - 4)(3n + 4)$

10) $(8x + 4)(5x - 2)$

11) $(5x + 4)(5x - 4)$

12) $(5k + 6)(7k + 3)$

13) $(8x + 8)(6x - 1)$

14) $(6v - 7)(4v - 8)$

15) $(4n + 4)(2n - 4)$

16) $(2x - 1)(7x - 7)$

17) $(8x + 2)(5x + 3)$

18) $(7r + 1)(6r - 4)$

19) $(7k + 4)(4k - 8)$

20) $(5x - 4)(4x + 8)$

21) $(x + 3)(x - 3)$

22) $(v + 7)^2$

23) $(n - 6)(n + 6)$

24) $(n + 2)(n - 2)$

25) $(7a + 3)^2$

26) $(8x - 6)(8x + 6)$

27) $(r + 7)^2$

28) $(3n - 6)^2$

29) $(2n - 1)(2n + 1)$

30) $(8m + 3)^2$

Assignment

Date _____ Period _____

Find each product.

1) $8(2m + 4)$

$16m + 32$

2) $2(4x - 6)$

$8x - 12$

3) $6a(3a + 6)$

$18a^2 + 36a$

4) $2r(3r + 1)$

$6r^2 + 2r$

5) $4r^2(8r - 2)$

$32r^3 - 8r^2$

6) $8x^2(6x - 8)$

$48x^3 - 64x^2$

7) $(4x + 5)(3x - 6)$

$12x^2 - 9x - 30$

8) $(3r + 2)(8r + 5)$

$24r^2 + 31r + 10$

9) $(2n - 4)(3n + 4)$

$6n^2 - 4n - 16$

10) $(8x + 4)(5x - 2)$

$40x^2 + 4x - 8$

11) $(5x + 4)(5x - 4)$

$25x^2 - 16$

12) $(5k + 6)(7k + 3)$

$35k^2 + 57k + 18$

13) $(8x + 8)(6x - 1)$

$48x^2 + 40x - 8$

14) $(6v - 7)(4v - 8)$

$24v^2 - 76v + 56$

$$15) (4n + 4)(2n - 4)$$
$$8n^2 - 8n - 16$$

$$16) (2x - 1)(7x - 7)$$
$$14x^2 - 21x + 7$$

$$17) (8x + 2)(5x + 3)$$
$$40x^2 + 34x + 6$$

$$18) (7r + 1)(6r - 4)$$
$$42r^2 - 22r - 4$$

$$19) (7k + 4)(4k - 8)$$
$$28k^2 - 40k - 32$$

$$20) (5x - 4)(4x + 8)$$
$$20x^2 + 24x - 32$$

$$21) (x + 3)(x - 3)$$
$$x^2 - 9$$

$$22) (v + 7)^2$$
$$v^2 + 14v + 49$$

$$23) (n - 6)(n + 6)$$
$$n^2 - 36$$

$$24) (n + 2)(n - 2)$$
$$n^2 - 4$$

$$25) (7a + 3)^2$$
$$49a^2 + 42a + 9$$

$$26) (8x - 6)(8x + 6)$$
$$64x^2 - 36$$

$$27) (r + 7)^2$$
$$r^2 + 14r + 49$$

$$28) (3n - 6)^2$$
$$9n^2 - 36n + 36$$

$$29) (2n - 1)(2n + 1)$$
$$4n^2 - 1$$

$$30) (8m + 3)^2$$
$$64m^2 + 48m + 9$$