Assignment

Date_____ Period____

Write each as an algebraic expression.

1) the quotient of v and 3 is equal to 29

2) the 3rd power of z is 37

3) t decreased by 15 is less than 48

4) 5 more than y is 9

5) twice q is equal to 27

6) a number cubed is less than 31

7) q increased by 9 is equal to 31

8) the quotient of n and 5 is equal to 43

9) the product of x and 10 is greater than 11

10) 3 less than x is less than or equal to 16

11) a number squared is less than or equal to 46

12) the difference of b and 11 is 43

13) q to the 8th is equal to 20

14) the m power of 7 is equal to 22

15) the sum of a number and 12 is equal to 37

16) half of q is greater than or equal to 35

17) 10 more than a number is 19

18) d decreased by 7 is less than 23

19) the quotient of t and 7 is greater than or equal to 44

20) x cubed is greater than or equal to 16

21) 9 more than w is less than 24

22) a number squared is equal to 12

23) 7 less than x is less than 36

24) q increased by 8 is 42

Answers to Assignment (ID: 1)

1) $\dfrac{v}{3} = 29$

2) $z^3 = 37$

3) $t - 15 < 48$

4) $y + 5 = 9$

5) $2q = 27$

6) $n^3 < 31$

7) $q + 9 = 31$

8) $\dfrac{n}{5} = 43$

9) $x \cdot 10 > 11$

10) $x - 3 \le 16$

11) $n^2 \le 46$

12) $b - 11 = 43$

13) $q^8 = 20$

14) $7^m = 22$

15) $n + 12 = 37$

16) $\dfrac{q}{2} \ge 35$

17) $n + 10 = 19$

18) $d - 7 < 23$

19) $\dfrac{t}{7} \ge 44$

20) $x^3 \ge 16$

21) $w + 9 < 24$

22) $n^2 = 12$

23) $x - 7 < 36$

24) $q + 8 = 42$

Name_____

Assignment

Date_____ Period____

Write each as an algebraic expression.

1) the product of a number and 6 is 40

2) the difference of a number and 4 is 7

3) x to the 9th is 30

4) half of y is equal to 44

5) the sum of a number and 8 is greater than 15

6) a number decreased by 4 is greater than 32

7) the quotient of a number and 5 is greater than 48

8) the k power of 9 is less than or equal to 19

9) 10 more than d is equal to 18

10) twice m is less than or equal to 16

11) q cubed is equal to 41

12) the quotient of n and 5 is 43

13) t increased by 5 is equal to 23

14) the product of x and 7 is equal to 37

15) 7 less than r is equal to 7

16) a number squared is greater than or equal to 45

17) 12 to the k is greater than or equal to 48

18) the sum of a number and 10 is greater than or equal to 18

19) the w power of 11 is equal to 38

20) half of a number is less than 22

21) the difference of a number and 12 is greater than or equal to 35

22) 12 more than x is 29

23) x decreased by 8 is 11

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24) the quotient of n and 3 is 38

Answers to Assignment (ID: 2)

1) $n \cdot 6 = 40$

2) $n - 4 = 7$

3) $x^9 = 30$

4) $\dfrac{y}{2} = 44$

5) $n + 8 > 15$

6) $n - 4 > 32$

7) $\dfrac{n}{5} > 48$

8) $9^k \leq 19$

9) $d + 10 = 18$

10) $2m \leq 16$

11) $q^3 = 41$

12) $\dfrac{n}{5} = 43$

13) $t + 5 = 23$

14) $x \cdot 7 = 37$

15) $r - 7 = 7$

16) $n^2 \geq 45$

17) $12^k \geq 48$

18) $n + 10 \geq 18$

19) $11^w = 38$

20) $\dfrac{n}{2} < 22$

21) $n - 12 \geq 35$

22) $x + 12 = 29$

23) $x - 8 = 11$

24) $\dfrac{n}{3} = 38$

Name_____

Assignment

Date_____ Period____

Write each as an algebraic expression.

1) x cubed is equal to 13

2) a number increased by 7 is equal to 13

3) twice d is greater than 15

4) 14 less than n is equal to 45

5) a number squared is greater than 49

6) q increased by 8 is greater than 38

7) the product of q and 11 is less than or equal to 19

8) the difference of a number and 6 is equal to 8

9) half of a number is 25

10) 12 to the x is 42

11) the sum of y and 5 is equal to 24

12) a number decreased by 22 is greater than or equal to 37

13) the quotient of w and 4 is greater than 48

14) the 9th power of n is 23

15) 8 more than a number is greater than or equal to 34

16) twice q is less than 9

17) v cubed is greater than or equal to 8

18) 7 less than d is greater than or equal to 21

19) n increased by 10 is less than 32

20) the product of n and 5 is 30

21) 13 less than w is 12

22) x squared is equal to 29

23) b to the 2nd is equal to 45

24) the sum of a number and 11 is greater than or equal to 34

Answers to Assignment (ID: 3)

1) $x^3 = 13$

2) $n + 7 = 13$

3) $2d > 15$

4) $n - 14 = 45$

5) $n^2 > 49$

6) $q + 8 > 38$

7) $q \cdot 11 \leq 19$

8) $n - 6 = 8$

9) $\dfrac{n}{2} = 25$

10) $12^x = 42$

11) $y + 5 = 24$

12) $n - 22 \geq 37$

13) $\dfrac{w}{4} > 48$

14) $n^9 = 23$

15) $n + 8 \geq 34$

16) $2q < 9$

17) $v^3 \geq 8$

18) $d - 7 \geq 21$

19) $n + 10 < 32$

20) $n \cdot 5 = 30$

21) $w - 13 = 12$

22) $x^2 = 29$

23) $b^2 = 45$

24) $n + 11 \geq 34$

Name_____

Assignment

Date_____ Period____

Write each as an algebraic expression.

1) the difference of q and 13 is greater than 16

2) half of a number is greater than or equal to 16

3) 9 more than a number is greater than 37

4) the 5th power of n is greater than 20

5) the quotient of x and 5 is 18

6) a number cubed is 11

7) a number increased by 11 is 28

8) a number decreased by 3 is greater than 24

9) 8 less than w is 38

10) x squared is greater than or equal to 50

11) twice a number is equal to 45

12) u increased by 9 is less than or equal to 42

13) the product of n and 8 is greater than or equal to 29

14) the difference of a number and 8 is greater than 11

15) b to the 4th is 24

16) the sum of a number and 11 is greater than or equal to 10

17) k decreased by 6 is 15

18) the quotient of n and 3 is 13

19) 5 more than q is less than 21

20) twice r is less than 31

21) the 8th power of n is equal to 15

22) 12 less than w is greater than or equal to 17

23) n cubed is less than 23

24) z increased by 7 is greater than 42

Answers to Assignment (ID: 4)

1) $q - 13 > 16$

2) $\dfrac{n}{2} \geq 16$

3) $n + 9 > 37$

4) $n^5 > 20$

5) $\dfrac{x}{5} = 18$

6) $n^3 = 11$

7) $n + 11 = 28$

8) $n - 3 > 24$

9) $w - 8 = 38$

10) $x^2 \geq 50$

11) $2n = 45$

12) $u + 9 \leq 42$

13) $n \cdot 8 \geq 29$

14) $n - 8 > 11$

15) $b^4 = 24$

16) $n + 11 \geq 10$

17) $k - 6 = 15$

18) $\dfrac{n}{3} = 13$

19) $q + 5 < 21$

20) $2r < 31$

21) $n^8 = 15$

22) $w - 12 \geq 17$

23) $n^3 < 23$

24) $z + 7 > 42$

Name_____

Assignment

Date_____ Period_____

Write each as an algebraic expression.

1) n squared is 26

2) the product of n and 10 is greater than 19

3) 3 less than u is greater than 40

4) 10 to the d is greater than 43

5) the sum of x and 12 is 28

6) the difference of x and 21 is equal to 26

7) half of n is equal to 7

8) the 9th power of v is less than 5

9) 8 more than a number is less than 32

10) x decreased by 12 is greater than or equal to 40

11) n cubed is greater than or equal to 39

12) the quotient of n and 4 is less than or equal to 26

13) q increased by 9 is greater than or equal to 37

14) twice p is greater than or equal to 34

15) c squared is greater than or equal to 30

16) 6 less than x is 13

17) 5 to the v is equal to 47

18) the product of n and 9 is greater than 19

19) half of x is less than 48

20) the difference of z and 7 is 20

21) n to the 5th is greater than or equal to 45

22) the sum of a number and 8 is greater than or equal to 43

23) x decreased by 8 is greater than 25

24) the quotient of a number and 5 is greater than 26

Answers to Assignment (ID: 5)

1) $n^2 = 26$

2) $n \cdot 10 > 19$

3) $u - 3 > 40$

4) $10^d > 43$

5) $x + 12 = 28$

6) $x - 21 = 26$

7) $\dfrac{n}{2} = 7$

8) $v^9 < 5$

9) $n + 8 < 32$

10) $x - 12 \geq 40$

11) $n^3 \geq 39$

12) $\dfrac{n}{4} \leq 26$

13) $q + 9 \geq 37$

14) $2p \geq 34$

15) $c^2 \geq 30$

16) $x - 6 = 13$

17) $5^v = 47$

18) $n \cdot 9 > 19$

19) $\dfrac{x}{2} < 48$

20) $z - 7 = 20$

21) $n^5 \geq 45$

22) $n + 8 \geq 43$

23) $x - 8 > 25$

24) $\dfrac{n}{5} > 26$

Name_____

Assignment

Date_____ Period____

Write each as an algebraic expression.

1) 10 more than n is greater than 47

2) twice n is equal to 29

3) 18 less than c is equal to 17

4) the c power of 9 is greater than 12

5) u cubed is equal to 33

6) x increased by 5 is greater than 9

7) the product of a number and 7 is 21

8) the difference of a number and 17 is less than 31

9) r squared is equal to 13

10) the sum of a number and 9 is greater than or equal to 42

11) a to the 2nd is less than or equal to 10

12) the difference of a number and 4 is greater than or equal to 28

13) half of a number is greater than or equal to 45

14) the u power of 10 is greater than or equal to 16

15) r decreased by 12 is equal to 31

16) 12 more than n is equal to 42

17) the quotient of n and 3 is 21

18) x cubed is greater than 19

19) n increased by 5 is less than 34

20) 13 less than n is less than 41

21) c squared is greater than 12

22) m to the 4th is greater than 28

23) the product of a number and 11 is greater than 15

24) the difference of a number and 3 is equal to 32

Answers to Assignment (ID: 6)

1) $n + 10 > 47$

2) $2n = 29$

3) $c - 18 = 17$

4) $9^c > 12$

5) $u^3 = 33$

6) $x + 5 > 9$

7) $n \cdot 7 = 21$

8) $n - 17 < 31$

9) $r^2 = 13$

10) $n + 9 \geq 42$

11) $a^2 \leq 10$

12) $n - 4 \geq 28$

13) $\dfrac{n}{2} \geq 45$

14) $10^u \geq 16$

15) $r - 12 = 31$

16) $n + 12 = 42$

17) $\dfrac{n}{3} = 21$

18) $x^3 > 19$

19) $n + 5 < 34$

20) $n - 13 < 41$

21) $c^2 > 12$

22) $m^4 > 28$

23) $n \cdot 11 > 15$

24) $n - 3 = 32$

Name_____

Assignment

Date_____ Period_____

Write each as an algebraic expression.

1) 6 to the n is equal to 19

2) half of a number is equal to 48

3) the sum of a number and 10 is less than or equal to 7

4) u decreased by 4 is 34

5) the quotient of c and 5 is greater than 11

6) 12 more than a number is equal to 11

7) the 10th power of x is less than or equal to 40

8) twice n is greater than or equal to 39

9) u cubed is greater than or equal to 31

10) 10 less than b is greater than or equal to 44

11) n increased by 10 is greater than or equal to 16

12) the product of a number and 12 is equal to 18

13) the difference of a number and 9 is equal to 35

14) a number squared is 20

15) a to the 3rd is less than or equal to 20

16) the sum of a and 7 is 47

17) the difference of x and 8 is 50

18) the 7th power of n is equal to 36

19) half of a number is less than 27

20) 9 more than a number is greater than 14

21) p decreased by 9 is greater than 49

22) n cubed is equal to 34

23) v increased by 11 is 10

24) twice x is 8

Answers to Assignment (ID: 7)

1) $6^n = 19$

2) $\dfrac{n}{2} = 48$

3) $n + 10 \le 7$

4) $u - 4 = 34$

5) $\dfrac{c}{5} > 11$

6) $n + 12 = 11$

7) $x^{10} \le 40$

8) $2n \ge 39$

9) $u^3 \ge 31$

10) $b - 10 \ge 44$

11) $n + 10 \ge 16$

12) $n \cdot 12 = 18$

13) $n - 9 = 35$

14) $n^2 = 20$

15) $a^3 \le 20$

16) $a + 7 = 47$

17) $x - 8 = 50$

18) $n^7 = 36$

19) $\dfrac{n}{2} < 27$

20) $n + 9 > 14$

21) $p - 9 > 49$

22) $n^3 = 34$

23) $v + 11 = 10$

24) $2x = 8$

Assignment

Date_____ Period____

Write each as an algebraic expression.

1) 9 less than n is 39

2) u to the 8th is equal to 15

3) a number squared is less than or equal to 9

4) the product of a number and 9 is equal to 12

5) half of n is less than 48

6) the difference of x and 24 is less than or equal to 40

7) the n power of 8 is greater than or equal to 17

8) the sum of a number and 10 is equal to 34

9) a number decreased by 5 is greater than or equal to 50

10) the quotient of a and 3 is 42

11) 5 more than k is 21

12) the 2nd power of x is 38

13) twice q is less than or equal to 35

14) 10 less than p is 46

15) r cubed is 28

16) a number increased by 9 is less than 41

17) the product of v and 9 is less than 7

18) a number squared is greater than 11

19) the sum of a number and 12 is greater than 37

20) 3 to the a is 20

21) the difference of a number and 9 is greater than or equal to 39

22) a number decreased by 3 is 8

23) the t power of 8 is equal to 41

24) half of n is 36

Answers to Assignment (ID: 8)

1) $n - 9 = 39$

2) $u^8 = 15$

3) $n^2 \leq 9$

4) $n \cdot 9 = 12$

5) $\dfrac{n}{2} < 48$

6) $x - 24 \leq 40$

7) $8^n \geq 17$

8) $n + 10 = 34$

9) $n - 5 \geq 50$

10) $\dfrac{a}{3} = 42$

11) $k + 5 = 21$

12) $x^2 = 38$

13) $2q \leq 35$

14) $p - 10 = 46$

15) $r^3 = 28$

16) $n + 9 < 41$

17) $v \cdot 9 < 7$

18) $n^2 > 11$

19) $n + 12 > 37$

20) $3^a = 20$

21) $n - 9 \geq 39$

22) $n - 3 = 8$

23) $8^t = 41$

24) $\dfrac{n}{2} = 36$

Name_____

Assignment

Date_____ Period_____

Write each as an algebraic expression.

1) w decreased by 11 is equal to 44

2) 6 more than d is equal to 28

3) the quotient of a number and 7 is less than or equal to 45

4) a number cubed is 38

5) c increased by 8 is less than or equal to 20

6) twice c is equal to 17

7) 10 less than n is greater than or equal to 36

8) a number squared is 23

9) 5 to the q is 24

10) the product of a number and 5 is 41

11) the difference of q and 8 is greater than or equal to 7

12) the sum of m and 12 is greater than or equal to 23

13) the x power of 14 is 29

14) half of w is equal to 5

15) a number decreased by 9 is less than 32

16) the quotient of a number and 6 is less than 49

17) the 4th power of p is less than 36

18) 10 more than n is 15

19) twice x is greater than 12

20) 6 less than n is 40

21) a number increased by 12 is equal to 27

22) the product of n and 8 is greater than 7

23) the difference of a number and 14 is equal to 44

24) 14 to the b is 43

Answers to Assignment (ID: 9)

1) $w - 11 = 44$

2) $d + 6 = 28$

3) $\dfrac{n}{7} \leq 45$

4) $n^3 = 38$

5) $c + 8 \leq 20$

6) $2c = 17$

7) $n - 10 \geq 36$

8) $n^2 = 23$

9) $5^q = 24$

10) $n \cdot 5 = 41$

11) $q - 8 \geq 7$

12) $m + 12 \geq 23$

13) $14^x = 29$

14) $\dfrac{w}{2} = 5$

15) $n - 9 < 32$

16) $\dfrac{n}{6} < 49$

17) $p^4 < 36$

18) $n + 10 = 15$

19) $2x > 12$

20) $n - 6 = 40$

21) $n + 12 = 27$

22) $n \cdot 8 > 7$

23) $n - 14 = 44$

24) $14^b = 43$

Name_____

Assignment

Date_____ Period____

Write each as an algebraic expression.

1) the sum of p and 9 is less than or equal to 21

2) a number decreased by 14 is less than or equal to 6

3) half of a number is greater than or equal to 22

4) the 3rd power of n is 39

5) 11 more than a number is greater than or equal to 10

6) w decreased by 12 is equal to 7

7) the quotient of n and 2 is 19

8) a number cubed is equal to 31

9) twice x is 36

10) n increased by 11 is 38

11) 12 less than x is less than or equal to 24

12) n squared is less than 35

13) t to the 8th is less than 22

14) the product of x and 10 is less than 16

15) the difference of n and 11 is greater than 13

16) half of a number is 26

17) a number decreased by 18 is less than or equal to 29

18) the sum of d and 5 is equal to 20

19) n cubed is less than or equal to 19

20) 7 more than a number is less than or equal to 34

21) the quotient of p and 7 is equal to 45

22) twice q is greater than 17

23) 4 less than n is less than or equal to 38

24) y increased by 9 is less than or equal to 29

Answers to Assignment (ID: 10)

1) $p + 9 \leq 21$

2) $n - 14 \leq 6$

3) $\dfrac{n}{2} \geq 22$

4) $n^3 = 39$

5) $n + 11 \geq 10$

6) $w - 12 = 7$

7) $\dfrac{n}{2} = 19$

8) $n^3 = 31$

9) $2x = 36$

10) $n + 11 = 38$

11) $x - 12 \leq 24$

12) $n^2 < 35$

13) $t^8 < 22$

14) $x \cdot 10 < 16$

15) $n - 11 > 13$

16) $\dfrac{n}{2} = 26$

17) $n - 18 \leq 29$

18) $d + 5 = 20$

19) $n^3 \leq 19$

20) $n + 7 \leq 34$

21) $\dfrac{p}{7} = 45$

22) $2q > 17$

23) $n - 4 \leq 38$

24) $y + 9 \leq 29$