Worksheet 23 (P.1 & P.2)

1. 7a + 3, 24
2. -5b + 7, 17
3. 16b – 9, -41
4. c + 26, 20
5. 6a – 15b, 48
6. –b + 10c, -58
7. a + 9c – 1, -52
8. 9a – c + 7, 40
9. b – 12c – 6, 64
10. 2a + 3b + 2c, -12
11. -10a – 2b + c, -32
12. –a – 8b – 5c, 43
13. 18b – c + 5, -25
14. -2a + 2c + 2, -16

Riddle: What do you call two railroad trains after a head-on collision?

Answer: A WRECKED TANGLE

Worksheet DD-40 (P.3)

1. x = 3
2. x = 6
3. x = 4
4. x = -2
5. x = -9
6. x = 13
7. x = 5
8. x = -8
9. x = -2
10. x = -14
11. x = 1
12. x = -7
13. x = -3
14. x = 18
15. x = -21
16. x = -7
17. x = 10
18. x = 3

Factoring Packet (P.4)

GCF

1. 2x(x2 – 9)
2. xy(x2 – y2)
3. 2a(a4 – 81)
4. 3(x4 – 5x2 + 4)
5. prime
6. 4y2(y2z – 4xz2 – 5xy)
7. 5ab(4b – 1)
8. 4x2(3x2 + 9x + 2)

Grouping

1. (2x + b)(a + 3c)
2. (2m + r)(3x – 2)
3. (3x – 4)(a – 2b)
4. (a + 1)(a – 2b)
5. (2a + b)(4c – d)
6. 2(g + 2h)(e2 + f)

Trinomials

1. (p – 10)(p + 1)
2. (y – 7)(y + 5)
3. (b + 5)(b + &)
4. (n – 5)(n – 3)
5. (5x – 7)(x – 2)
6. (4m – 3)(2m – 1)
7. (3k – 1)(3k – 1)
8. 6v(3v + 1)(v + 2)

Perfect Square Trinomials

1. (x – 3)2
2. (m + 8)2
3. (s – 7)2
4. (7z – 4)2
5. prime
6. (2e – 11f)2
7. (4a2 + 5b3)2
8. (cd – e)2

Difference of Squares

1. (x + 3)(x – 3)
2. (a + 8)(a – 8)
3. (t + 7)(t – 7)
4. (2x + 3y)(2x – 3y)
5. (1 + 4z2)(1 + 2z)(1 – 2z)
6. 3(5r + 4)(5r – 4)
7. (7 + ab)(7 – ab)
8. 5(g + 2h)(g – 2h)

Factor Completely

1. 3x(x – 7)(x + 2)
2. 5xy(3x – 2)(3x + 2)
3. (x2 + 9)(x + 3)(x – 3)
4. 6(2x – 1)(x + 2)
5. 2xy2(5x + 9)(x + 2)
6. (x2 + 5)(x + 3)(x – 3)
7. (x + 1)(x – 1)(x + 4)
8. 4xy(x + 2y)(x – 2y)
9. 6x(x + 1)2
10. (x2 + y2)(x + y)(x – y)

Worksheet 67 (P.5)

1. 6x2 + 3x
2. -21x5
3. 80x8
4. 27x7
5. -100x3
6. 15x7
7. 2a2 + b2 + 2b
8. 16a12b4
9. 6a6b6
10. -40a3b9
11. 6a5b3
12. 50a4b4 – 50
13. 8x10y7
14. -250xy18
15. 2x7y8
16. 8x16y9
17. 48x6y8
18. 3x2y – 3xy2

Riddle: What happened to the man who invested in a paper towel company and a revolving door factory?

Answer: HE WAS WIPED OUT BEFORE HE COULD TURN AROUND

Worksheet 110 (P.5)

Riddles: Books never written

Answers:

Everybody needs insurance by:JUSTIN CASE

Rock ‘n roll your baby by: LES DANCE

50 years in the navy by: I I SERR

13-2 Practice (P.6)

13.3 Practice (P.6)

Worksheet 156 (P.7)

O.

N.

L.

I.

A.

U.

R.

I.

S.

G.

N.

F.

T.

F.

H.

V.

Riddle: According to some students, what is the true purpose of homework?

Answer: ITS FOR HALVING FUN

Worksheet 157 (P.7)

Riddle: Why does a poor man drink coffee?

Answer: HE HAS NO PROPER TEA