Name: _____ Date: _____

Factoring with the Distributive Property - Medium

Factor out the greatest common factor.

1. 63a + 14
2. 16n + 28
3. 4x - 36
4. 42y - 24
5. 28m + 32
6. 15x + 12

Find the missing parts.

7. 16b + 18 = 2(____)
8. 18a + 15 = 3(____)
9. 48x - 8 = 8(____)
10. 12y - 8 = 4(____)

Name: _____ Date: _____

Factoring with the Distributive Property - Medium

Find the missing parts.

11. 28m - 12 = 4(____)

12. 48y + 30 = 6(____)

Factor. Then check by using the distributive property.

13. 45x - 5

14. 30a - 6

15. 45b + 27

16. 40m - 72

17. 27m + 18

18. 3x - 27

19. 35m + 14

20. 3a + 9

Factoring with the Distributive Property - Medium - Answer Key

1. 63a + 14
   7(9a + 2)

2. 16n + 28
   4(4n + 7)

3. 4x - 36
   4(x - 9)

4. 42y - 24
   6(7y - 4)

5. 28m + 32
   4(7m + 8)

6. 15x + 12
   3(5x + 4)

7. 16b + 18 = 2(____)
   8b + 9

8. 18a + 15 = 3(____)
   6a + 5

9. 48x - 8 = 8(____)
   6x - 1

10. 12y - 8 = 4(____)
    3y - 2

Factoring with the Distributive Property – Medium – Answer Key

11. 28m - 12 = 4(____)

    7m - 3

12. 48y + 30 = 6(____)

    8y + 5

13. 45x - 5

    5(9x - 1); check: 5(9x - 1) = 45x - 5

14. 30a - 6

    6(5a - 1); check: 6(5a - 1) = 30a - 6

15. 45b + 27

    9(5b + 3); check: 9(5b + 3) = 45b + 27

16. 40m - 72

    8(5m - 9); check: 8(5m - 9) = 40m - 72

17. 27m + 18

    9(3m + 2); check: 9(3m + 2) = 27m + 18

18. 3x - 27

    3(x - 9); check: 3(x - 9) = 3x - 27

19. 35m + 14

    7(5m + 2); check: 7(5m + 2) = 35m + 14

20. 3a + 9

    3(a + 3); check: 3(a + 3) = 3a + 9