



Math Worksheet for 6th Grade

Equivalent expressions

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. Simplify: $3x + 4x$
2. Simplify: $7a - 2a$
3. Simplify: $5y + 0$
4. Simplify: $4(2x + 3)$
5. Simplify: $2(3m - 4)$
6. Factor: $6x + 9$
7. Factor: $8p - 4$
8. Equivalent? $2(3x+4)$ and $6x+8$
9. Equivalent? $3(x+5)$ and $3x+15$
10. Equivalent? $x + x + x$ and $3x$
11. Simplify: $9b - 3b$
12. Simplify: $2x + 3x - x$
13. Simplify: $6(c + 2)$
14. Factor: $12y + 8$
15. Factor: $15t - 5$
16. Equivalent? $4(x+2)$ and $4x+8$
17. Equivalent? $5x + 10$ and $5(x+2)$
18. Simplify: $7n + 2n - 4n$
19. Simplify: $3(2k)$
20. Factor: $14m + 7$
21. Simplify: $0x + 5$
22. Simplify: $2(x + x)$
23. Equivalent? $3x + 2x$ and $5x$
24. Simplify: $5(2x + 1)$
25. Factor: $18a + 12$
26. Simplify: $9(x - 1)$
27. Equivalent? $(x + 2) + (x + 3)$ and $2x + 5$
28. Simplify: $4x + 3x + 2$
29. Factor: $21p + 14$
30. Simplify: $-3x + 5x$
31. Equivalent? $2(2x + 3)$ and $4x + 6$
32. Equivalent? $3(a + b)$ and $3a + 3b$



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33. Simplify: $6(x + 0)$

34. Factor: $10x + 5$

35. Equivalent? $x + 2 + x + 3$ and $2x + 5$

36. Simplify: $8y - 3y + y$

37. Factor: $16k - 8$

38. Simplify: $(2x)(3)$

39. Equivalent? $\frac{12x}{3}$ and $4x$

40. Simplify: $5(x + 4)$

41. Factor: $27m + 9$

42. Simplify: $x + 2x + 3x$

43. Equivalent? $4x + 6$ and $2(2x + 3)$

44. Simplify: $7x - 2x$

45. Factor: $24c + 6$

46. Simplify: $3(x + 2) + x$

47. Equivalent? $(5x + 5)$ and $5(x + 1)$

48. Simplify: $2x + 3x - x + 4$

49. Factor: $4x + 10$

50. Equivalent? $0.5(4x)$ and $2x$