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Distribution Practice

Practice Problems

1) $5(x - 3)$

6) $5(x + 8)$

11) $15(x + 1)$

2) $7(x + 4)$

7) $-3(x - 4)$

12) $3(x + 1) - 2(x - 6)$

3) $3(x + 1)$

8) $-4(x + 5)$

13) $4(x + 2) + 2(x - 5)$

4) $4(2x + 2)$

9) $2(x + 1)$

14) $6(x + 1) + 2(x + 3)$

5) $8(2x - 1)$

10) $7(3x - 7)$

15) $4(x - 4) - 2(x + 3)$

Challenge Problems

16) $\frac{2}{9}(x + 3)$

18) $1.6(x + 4)$

20) $2.1(x + 3)$

17) $2.3(x - 2)$

19) $\frac{1}{4}(x + 2)$

21) $\frac{1}{2}(4x + 8)$



Distribution Practice

Answer Key

Practice Problems

1) $5(x - 3)$

The answer is $5x - 15$

6) $5(x + 8)$

The answer is $5x + 40$

11) $15(x + 1)$

The answer is $15x + 15$

2) $7(x + 4)$

The answer is $7x + 28$

7) $-3(x - 4)$

The answer is $-3x + 12$

12) $3(x + 1) - 2(x - 6)$

The answer is $x + 15$

3) $3(x + 1)$

The answer is $3x + 3$

8) $-4(x + 5)$

The answer is $-4x - 20$

13) $4(x + 2) + 2(x - 5)$

The answer is $6x - 2$

4) $4(2x + 2)$

The answer is $8x + 8$

9) $2(x + 1)$

The answer is $2x + 2$

14) $6(x + 1) + 2(x + 3)$

The answer is $8x + 12$

5) $8(2x - 1)$

The answer is $16x - 8$

10) $7(3x - 7)$

The answer is $21x - 49$

15) $4(x - 4) - 2(x + 3)$

The answer is $2x - 22$

Challenge Problems

16) $\frac{2}{9}(x + 3)$

The answer is $\frac{2}{9}x + \frac{2}{3}$

18) $1.6(x + 4)$

The answer is $1.6x + 6.4$

20) $2.1(x + 3)$

The answer is $2.1x + 6.3$

17) $2.3(x - 2)$

The answer is $2.3x - 4.6$

19) $\frac{1}{4}(x + 2)$

The answer is $\frac{1}{4}x + \frac{1}{2}$

21) $\frac{1}{2}(4x + 8)$

The answer is $2x + 4$