Math Practice - Grade 7

M5 Equivalent expressions - Combine like terms

M5 7.EE.1, 7.EE.2

Name: _____ Date: _____

Combine the like terms. Write the answer in the box.

Example: Combine the like terms in the expression below.

How: Only terms with the same letter part can be combined. Add their coefficients and keep the letter part. A term with no letter is a constant, not a like term of x.

$-2.5x + 2x + (-3.25) + 3 =$

$-0.5x - 0.25$

1

$0.25x + 1.5x + (-3) + 4.5 =$

2

$-0.25x + 1.25x + 3 + 4.75 =$

3

$1x + (-2.5)x + (-4.75) + (-2.75) =$

4

$-1.75x + 1.5x + 4.5 + 5 =$

5

$-0.5x + (-1.25)x + (-1) + (-3.25) =$

6

$-1.25x + (-1)x + 2.25 + 1.25 =$

7

$1.5x + (-1)x + 0.75 + 4.75 =$

8

$-0.25x + (-0.75)x + (-0.5) + (-3.25) =$

9

$-1.5x + 2x + (-4.25) + 2 =$

10

$-1x + (-1.5)x + 3.5 + 5 =$

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$-1.25x + (-1)x + 0 + 0 =$

$-2.25x$

1

$-2x + 1.75x + (-0.5) + 3.75 =$

2

$-2.5x + 0.5x + (-3.25) + (-2.75) =$

3

$0.75x + 0.5x + (-1.25) + (-4) =$

4

$2.5x + 0.25x + 1 + (-4.25) =$

5

$-1x + (-0.75)x + (-0.25) + (-2.75) =$

6

$-1.75x + (-1.75)x + (-3) + 3.5 =$

7

$-1.5x + 0.5x + (-2.75) + 1.25 =$

8

$2x + 0.25x + (-2) + (-0.5) =$

9

$1x + (-2.5)x + (-3.5) + (-2.5) =$

10

$1.25x + 1.25x + (-5) + (-0.5) =$

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Example: Combine the like terms in the expression below.

How: Only terms with the same letter part can be combined. Add their coefficients and keep the letter part. A term with no letter is a constant, not a like term of x.

$1x + (-1.75)x + (-2.75) + (-3.75) =$

-0.75x - 6.5

1

$-0.75x + 1.5x + (-2.75) + 2 =$

2

$0.25x + (-0.5)x + (-5) + 0 =$

3

$-1.5x + 1.25x + 0.25 + (-0.25) =$

4

$0.5x + (-1)x + 1.75 + (-4) =$

5

$2.5x + (-0.5)x + (-4.5) + 4.75 =$

6

$1.25x + (-1.5)x + (-1.25) + 2.5 =$

7

$0.5x + 0.25x + 0.25 + 0 =$

8

$-1.5x + (-1.5)x + 1.75 + (-0.25) =$

9

$-1.25x + (-1.75)x + 0 + (-0.5) =$

10

$-1.75x + 1x + (-5) + (-3.25) =$