Math Practice - Grade 7

M5 Equivalent expressions - Factor an expression

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

Name: _____ Date: _____

Factor the expression. Write the answer in the box.

Example: Factor 12x + 8.

How: Find the greatest common factor of the terms. Put it outside the parentheses, and write what is left of each term inside.

4(3x + 2)

1 **Factor 9x - 3.**

2 **Factor 7x + 7.**

3 **Factor 48x + 24.**

4 **Factor 36x + 45.**

5 **Factor 27x - 54.**

6 **Factor 63x + 72.**

7 **Factor 64x + 72.**

8 **Factor 36x - 6.**

9 **Factor 35x - 30.**

10 **Factor 32x + 48.**

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

Name: _____ Date: _____

Factor the expression. Write the answer in the box.

Example: Factor 9x + 45.

How: Find the greatest common factor of the terms. Put it outside the parentheses, and write what is left of each term inside.

9(x + 5)

1 **Factor 9x + 27.**

2 **Factor 27x + 21.**

3 **Factor 63x + 35.**

4 **Factor 27x + 3.**

5 **Factor 8x - 32.**

6 **Factor 2x + 2.**

7 **Factor 12x + 8.**

8 **Factor 10x - 30.**

9 **Factor 6x - 21.**

10 **Factor 25x + 25.**

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Name: _____ Date: _____

Factor the expression. Write the answer in the box.

Example: Factor 27x - 18.

How: Find the greatest common factor of the terms. Put it outside the parentheses, and write what is left of each term inside.

9(3x - 2)

1 **Factor 54x - 30.**

2 **Factor 12x + 30.**

3 **Factor 18x + 12.**

4 **Factor 14x - 56.**

5 **Factor 48x + 64.**

6 **Factor 2x - 18.**

7 **Factor 49x - 14.**

8 **Factor 16x - 4.**

9 **Factor 10x - 18.**

10 **Factor 35x - 42.**