Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Distributive Property

Directions: Use the Distributive Property and GCF to factor each expression.

|  |  |
| --- | --- |
| 36 + 42 | 100 + 15 |
| 64 – 40 | 45 + 81 |
| 120 – 24 | 16 + 44 |
| 12 + 48 | 52 + 8 |
| 88 + 33 | 7 + 15 |
| 28 + 40 | 54 – 18  |
| 128 + 48 | 96 – 12  |
| 28 + 38 | 45 + 75 |
| 75 + 30 + 150 | 12 + 18 + 36 |
| 12 + 20 + 24 | 30 + 72 + 42 |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The Distributive Property

Directions: Use the Distributive Property to expand each expression.

|  |  |
| --- | --- |
| 6 ( 3 + 5 ) | 15 ( 3 + 4 ) |
| 3 ( 20 + 4 ) | 25 ( 4 + 9 ) |
| 12 ( 10 – 6) | 6 ( 15 – 7 ) |
| 11 ( 9 + 2 ) | 4 ( 8 + 12 + 2 ) |
| 8 ( 8 + 15 ) | 10 ( 12 + 5 + 9 ) |

Using math vocabulary, explain the difference between writing an expression in factored form and expanded form.

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