Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_

**Lesson 3.2C Factoring Expressions\_Classwork**

*Objective: factor linear expressions. CC.SS.7.EE. 1*

*HW: BIM 3.2C pg 93\_#5-14 ALL*

|  |
| --- |
| When **Factoring Expression**, you write the expression as a product of factors. **List of Prime Numbers:**  |

**Factor out the expression by the given GCF.**

|  |  |
| --- | --- |
| 1. Factor -2 out of -4m + 10.
 | 1. Factor -3 out of -24r – 9.
 |
| 1. Factor $\frac{1}{2}$ out of $\frac{1}{2}x+\frac{3}{2}$
 | 1. Factor $\frac{-1}{4} $ out of $ \frac{-1}{2}x-\frac{5}{4}y$
 |

**Factor out the coefficient of the variable.**

|  |  |
| --- | --- |
| 1. -3.3m + 33.
 | 1. -2r – 8.4.
 |
| 1. $\frac{1}{4}x+\frac{5}{4}$
 | 1. $-\frac{1}{3}x-6$
 |

**PRACTICE PROBLEMS**

**Factor out the expression by the given GCF.**

|  |  |
| --- | --- |
| 1. Factor -5 out of -15y + 35.
 | 1. Factor -12 out of -24x – 12.
 |

**Factor out the coefficient of the variable.**

|  |  |
| --- | --- |
| 1. $\frac{1}{2}x+7$
 | 1. $-3x-6.9$
 |

<https://static.bigideasmath.com/protected/content/rpj/ca/red_journal_03.pdf>