Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Factoring Worksheet

Factor each of the following. Remember to factor out a GCF first if there is one.

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| 1.   | x2 - 14x + 45 |

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| 2.   | x3 – 81x |

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| 3.   | x2 - 18x + 80 |

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| --- | --- |
| 4.   | x2 - 49 |

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| 5.   | x2 - 6x + 9 |

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| 6.   | 6x2 + 6x |

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| 7.   | 2x2 + 40x + 198 |

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| 8.   | 2x2 + 3x - 9 |

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| 9.   | x2 - 3x – 88 |

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| 10.   | x2 - 16x + 48 |

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| 11.   | 3x2 – 11x + 6 |

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| 12.   | x2 - 14x + 33 |

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| 13.   | 10x2 + 10x – 300 |

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| 14.   | 6x2 – 4x - 10 |

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| 15.   | x2 + 8x – 9 |

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| 16.   | x2 + 10x |

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| 17.   | 49x2 - 1 |

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| 18.   | x2 + 5x - 50 |

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| 19.   | x2 + 10x + 24 |

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| 20.   | x2 + 6x - 16 |

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| 21.   | 9x4 - 45x3 + 36x2 |

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| 22.   | x2 - 16x + 60 |

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| 23.   | x2 + 8x – 20 |

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| 24.   | 10x2 + 55x + 60 |

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| 25.   | 2x2 + 11x + 5 |

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| 26.   | x2 - 5x - 24 |

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| 27.   | 2x2 - 12x + 16 |

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| 28.   | x2 + x - 90 |

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| 29.   | 3x2 – 300 |

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| 30.   | x2 - 16 |

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| 31. 5x3 – 18x2 + 9x  | 32. 6x2 + 3x |