

Factor Completely:

Worksheet # 4

1.) $2ab - 16a^2 + 16$

2.) $8n^2 + 64m + 56$

3.) $-8x^5 + 16xy + 12x$

4.) $3y^3 + 7yx + 6y^2$

5.) $-4x^2y^2 - 10x + 4$

6.) $18y^2x^2 - 42y^3 + 12y^2$

7.) $-48x^2y + 12xy^2 - 30xy^3$

8.) $-4 - 2x + 2y^2$

9.) $-3x^3y - 4xy^2 + 6xy$

10.) $-9a^4 - 9a^3 + 15a^3b$

Factor Completely:

Worksheet # 4 ANSWERS

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|---------------------------------|------------------------|
| 1.) $2ab - 16a^2 + 16$ | $2(ab - 8a^2 + 8)$ |
| 2.) $8n^2 + 64m + 56$ | $8(n^2 + 8m + 7)$ |
| 3.) $-8x^5 + 16xy + 12x$ | $4x(-2x^4 + 4y + 3)$ |
| 4.) $3y^3 + 7yx + 6y^2$ | $y(3y^2 + 7x + 6y)$ |
| 5.) $-4x^2y^2 - 10x + 4$ | $2(-2x^2y^2 - 5x + 2)$ |
| 6.) $18y^2x^2 - 42y^3 + 12y^2$ | $6y^2(3x^2 - 7y + 2)$ |
| 7.) $-48x^2y + 12xy^2 - 30xy^3$ | $6xy(-8x + 2y - 5y^2)$ |
| 8.) $-4 - 2x + 2y^2$ | $2(-2 - x + y^2)$ |
| 9.) $-3x^3y - 4xy^2 + 6xy$ | $xy(-3x^2 - 4y + 6)$ |
| 10.) $-9a^4 - 9a^3 + 15a^3b$ | $3a^3(-3a - 3 + 5b)$ |