

## Algebra I Homework #16 – Answer Key

- 1)  $\frac{2a^2y^2}{x} - \frac{8xy^3}{9} + \frac{7y^4}{6xa}$
- 2)  $x^3 - 2x^2 + 4x - 5 + \frac{3}{x+2}$
- 3)  $9.31 \times 10^{10}$
- 4)  $-5$
- 5)  $\frac{29}{24}$
- 6)  $6xa^2\sqrt{2ya}$
- 7)  $46\sqrt{2} - 10\sqrt{5}$
- 8)  $13650\sqrt{2}$
- 9)  $7x^2y\sqrt[3]{2xya^2}$
- 10)  $2x^4ya\sqrt{6xa} + 21xya^2\sqrt{2y}$
- 11)  $4536x^7y^7a^5\sqrt{10y}$
- 12)  $3x^5\sqrt{3x^2}$
- 13)  $31x^2y^3\sqrt{6xy}$
- 14)  $20\sqrt{3} + 36\sqrt{2} - 30 - 18\sqrt{6}$
- 15)  $11xy^2a\sqrt{11xy}$
- 16)  $63x^2y^2a\sqrt{3y} - 60x^2y^2a\sqrt{2xa}$
- 17)  $6006x^6y^5a^4$
- 18)  $7xya^3\sqrt[3]{3xa}$
- 19)  $83\sqrt{13} + 96\sqrt{3}$
- 20)  $810x^3a^2\sqrt{3} - 864x^2a^2\sqrt{6xa} + 256a^3x^2\sqrt{3}$

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