

H Algebra II Review KEY

Part 3 - Exponent properties, Complex numbers, Radical functions

$$3a1] 9a^9 b^{11}$$

$$3a2] -5k^7 + 20k^5m - 20k^3m^2$$

$$3a3] 2y^4 z^4$$

$$3a4] \frac{z^4}{4w^2}$$

$$3a5] \frac{2ay}{x^3}$$

$$3a6] \frac{a^6 b^3}{8}$$

$$3a7] \frac{9x}{8y^4}$$

$$3b1] \frac{35}{4} - 3i$$

$$3b2] \frac{19 + 13i}{10}$$

$$3b3] \frac{19 - 13i}{53}$$

$$3c1] 1$$

$$3c2] 0$$

$$3c3] 1$$

$$3d1] \text{Domain: } x \leq \frac{2}{3}$$

$$\text{Range: } y \geq -5$$

$$3d2] \text{Domain: } x \geq -3$$

$$y \leq 0$$