

Bathroom breaks are to be
taken before class!!

Do **NOT** move the desk!!

Turn your phone **OFF**!!

Put your phone up!!

Sit down!! Be quiet!!

Prepare to work!!

Keep your hands to yourself!!

Powers of Monomials

$$3) (c^{11})^2 = c^{22}$$

$$5) (m^5)^5 = m^{25}$$

$$7) (3a^2)^4 = 3^4 a^{2 \cdot 4} = 81 a^8$$

$$9) (-5a^3)^2 = 25a^6$$

$$11) \left(\frac{1}{9}c^3\right)^3 = \frac{1}{729}c^9$$

$$13) (04x^3)^2 = 16x^6$$

$$\begin{aligned} 15) & 5(2x^3)^4 \\ & 5(16x^{12}) \\ & 80x^{12} \end{aligned}$$

$$\begin{aligned} 17) & \frac{1}{2}(6x^2)^3 \\ & \frac{1}{2}(216x^6) \\ & 72x^6 \end{aligned}$$

$$\begin{aligned} 19) \quad & 0.2 (10 a^2)^3 \\ & 0.2 (1000 a^6) \\ & 200 a^6 \end{aligned}$$

$$\begin{aligned} 21) \quad & (-a^3)^4 \\ & a^{12} \end{aligned}$$

$$23) (-2a^4)^5 \\ - 32a^{30}$$

$$25) (x^p)^q \\ x^{pq}$$

$$27) (2m^x)^4$$

$$x^4$$

$$\rightarrow 16m$$

$$4x$$

$$\hookrightarrow 16m^4x$$

$$29) (a^9)^3 (2a^5)^2$$

$$(a^{3e}) (4a^{2s})$$

$$4a^{3e+2s}$$

$$\begin{array}{l} 31) \frac{(t^3)^c (t^{2c})^3}{(t^{3c})(t^{6c})} \\ t^{9c} \end{array}$$

$$\begin{array}{l} 33) \frac{(3a^y)^2 (a^{3y})}{(9a^{2y})(a^{3y})} \\ 9a^{5y} \end{array}$$