

**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!!**

$$1) 3aacc$$

$$3a^3c^3$$

$$3) (m+n)^3$$

$$(m+n)(m+n)(m+n)$$

$$2) (x-y)(x-y)$$

$$(x-y)^2$$

$$4) 3(rt)^4$$

$$3(rt)(rt)(rt)(rt)$$

$$5) 10^2$$

$$(10)(10) = 100$$

$$6) 5^3$$

$$(5)(5)(5) = 125$$

$$7) (3x)^3 ; 2$$

$$(2 \cdot 2)^3 = (6)^3 = (6)(6)(6) = 216$$

$$8) (x+1)^4 ; 3$$

$$(3+1)^4 = (4)^4 = (4)(4)(4)(4) = 256$$

9)  $7x^0$   
 Degree  $\Rightarrow 0$   
 Coef  $\Rightarrow 7$

10)  $-8x^3y^2z$   
 $3+2+1$   
 Degree  $\Rightarrow 6$   
 Coef  $\Rightarrow -8$

11)  $2xyz + 3x^3y^2z + 5xy^2z$   
 $1+1+1$        $3+2+1$        $1+2+1$   
 3                  6                  4

$3x^3y^2z$

12)  $10xy^2z - 3x^2yz + 2x^2y^2z^2$   
 $4$                    $4$                    $6$   
 $2x^2y^2z^2$

$$13) \quad 2x^2 + 3xy + 5y^2$$

$\begin{array}{ccc} 2 & 2 & 2 \end{array}$

$$2x^2 + 3xy + 5y^2$$

$$14) \quad 4x^3yz - 3xyz + 7xy^2z$$

$\begin{array}{ccc} 5 & 3 & 4 \end{array}$

$$4x^3yz$$

$$15) \quad \underline{8z^2} - \underline{2z} + \underline{7} - \underline{9z^3}$$

$$-9z^3 + 8z^2 - 2z + 7$$

$$16) \quad 7ha, 8ah, 9hz^2, 5p^3x^4, 11ah^2$$

$$17) \quad 13x, 17, 126zu, 31p, -72, 14xy$$

$$18) \quad \underline{(9m + 7n)} + \underline{(-4m + 3n)}$$

$$5m + 10n$$

$$19) \quad \underline{(7u^2 - 10r)} + \underline{(-3u^2 + 8 - 2r)}$$

$$4u^2 - 12r + 8$$

$$20) \quad \underline{(abc + 3a^2b + 2)} + \underline{(4abc - 5)}$$

$$5abc + 3a^2b - 3$$

$$21) \quad \underline{(5ab + 2ac - 6bc)} + \underline{(-4ac + 2bc)}$$

$$5ab - 2ac - 4bc$$

$$\begin{array}{r} 22) \ 15z - 6 \\ \quad -3z + 8 \\ \hline 12z + 2 \end{array}$$

$$\begin{array}{r} 23) \ 11y^2 + 6y \\ \quad -3y^2 - 8y \\ \hline 8y^2 - 2y \end{array}$$

$$\begin{array}{r} 24) \ u^2 + 2u \\ \quad -3u^2 \quad + 6 \\ \hline -2u^2 + 2u + 6 \end{array}$$

$$25) \ \cancel{x^3} - \cancel{6x^2} - 7 \text{ and } \cancel{-3x^3} + \cancel{2x^2} - 9$$

$$-2x^3 - 4x^2 - 16$$



$$26) \quad \cancel{x^2} - \cancel{6x} - 11 + \cancel{x^2} + \cancel{4x} - 7$$
$$- 2x - 18$$

$$27) \quad \cancel{7s} - \cancel{3t} + \cancel{-13t} + 13 + \cancel{14s}$$
$$21s - 16t - 12$$

