

**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!!

$$1) 3aacc$$

$$3a^3c^3$$

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

$$(x-y)^2$$

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

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

$$4) 3(et)^4$$

$$3(et)(et)(et)(et)$$

$$5) 10^2$$

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

$$6) 5^3$$

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

$$7) (3 \times 2)^3 ; 2$$

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

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

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

$$9) 7$$

Degree $\Rightarrow 0$

Coef $\Rightarrow 7$

$$10) -8x^3y^2z$$

Degree $\Rightarrow 3+2+1=6$

Coef $\Rightarrow -8$

$$11) 2xyz + 3x^3y^2z - 5xy^2z$$

2
6
4

$$2x^3y^2z$$

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

4
4
6

$$2x^2y^2z^2$$

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

$$2 \quad 2 \quad 2$$
$$2x^2, 3xy, 5y^2$$

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

$$5$$
$$4x^3yz$$

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

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

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

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

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

$$5n + 10$$

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

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

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

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

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

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

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

$$12z + 2$$

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

$$8y^2 - 2y$$

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

$$-2u^2 + 2u + 6$$

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

$$\underline{\underline{-2x^3 - 4x^2 - 16}}$$

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

$$27) \underline{(7s - 3t)} + \underline{(-13t + 13 + 11s)}$$
$$21s - 16t - 13$$