

MATEMATIK TAMBAHAN

TINGKATAN 4

Unit 4.1(a) : Mempermudah Ungkapan Algebra

Pentaksiran PBD (TP 2/TP3)

Pn Norfadhilah Sapuan SMKTM

Permudahkan setiap yang berikut:

$$1. 3^m \times 3^{3m}$$

$$= 3^{\boxed{\text{red}}}$$

$$= \boxed{\text{yellow}} \boxed{\text{blue}}$$

$$2. 16^{\frac{3}{4}} m^5 n^8 \div m^9 n^6$$

$$= (2^{\boxed{\text{blue}}})^{\boxed{\text{blue}}} m^{\boxed{\text{red}}} n^{\boxed{\text{red}}}$$

$$= 2^{\boxed{\text{blue}}} m^{\boxed{\text{blue}}} n^{\boxed{\text{blue}}}$$

$$3. m^{-3} \times \frac{y^2}{m}$$

$$= m^{\boxed{\text{red}}} y^{\boxed{\text{blue}}}$$

$$= \frac{\boxed{\text{green}} \boxed{\text{blue}}}{\boxed{\text{green}} \boxed{\text{blue}}}$$

Petunjuk :

Operasi atas kuasa 

Nombor 

Kuasa 

pembolehubah 