

8-16-19 1st Trig

$$\textcircled{1} \quad n^3 \cdot n^2 =$$

$\downarrow \quad \downarrow$

$$n \cdot n \cdot n \cdot n \cdot n = n^5$$

$$\textcircled{2} \quad 4n^2 \cdot 2n^2$$

\downarrow

$$4 \cdot n \cdot n \cdot 2 \cdot n \cdot n = 8n^4$$

$$\textcircled{3} \quad -4n^2 \cdot n^3 \cdot -2n^2$$
$$-4nnnnn - 2nnn = 8n^7$$

$$\textcircled{4} \quad (2n^2)^3$$
$$2n^2 \cdot 2n^2 \cdot 2n^2$$
$$2nn \quad 2nn \quad 2nn$$
$$8n^6$$

$$\textcircled{5} \quad (-3n^3)^2 \cdot 2n^5$$
$$-3n^3 \cdot -3n^3 \cdot 2n^5$$

$nnn \quad nnn \quad nnnnn$

$$18n^8$$

$$\textcircled{6} \quad n^{100} \cdot n^{35} =$$

$$\downarrow$$

$$\frac{n \cdot n \cdot n \cdot n \cdot n}{100} \cdot \frac{n \cdot n \cdot n}{35} = n^{135}$$

$$\textcircled{7} \quad (2n^2)^3 \cdot (3n^3)^2$$

$$2n^2 \cdot 2n^2 \cdot 2n^2 \cdot 3n^3 \cdot 3n^3$$

$$2nn \quad 2nn \quad 2nn \quad 3nnn \quad 3nnn$$

$$72n^{12}$$



$$\textcircled{8} \quad a^4 b^2 \cdot a^3 \cdot b$$

$$aaaa \quad bb \quad aaa \quad b$$

$$a^7 b^3$$

$$\textcircled{9} \quad 3a^2 b \cdot -2ab^4$$

$$3aab \quad -2abbbb$$

$$-6a^3 b^5$$

$$\textcircled{10} \quad (2a^2 bc^3)^2$$

$$2a^2 bc^3 \cdot 2a^2 bc^3$$

$$2aabccc \quad 2aabccc$$

$$4a^4 b^2 c^6$$

$$\begin{array}{r} 23 \\ - 5 \\ \hline 18 \end{array}$$

8-16-19 3rd Trig

$$\textcircled{1} \quad n^4 \cdot n^2$$

$\downarrow \quad \quad \downarrow$

$$n \cdot n \cdot n \cdot n \cdot n \cdot n = n^6$$

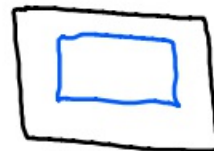
$$\textcircled{2} \quad n^3 \cdot n^3$$

$\downarrow \quad \quad \downarrow$

$$n \cdot n \cdot n \cdot n \cdot n \cdot n = n^6$$

$$\textcircled{3} \quad 2n^2 \cdot 3n \cdot 2n^4$$
$$2 \cdot n \cdot n \quad 3 \cdot n \quad 2 \cdot n \cdot n \cdot n \cdot n$$
$$12n^7$$

$$\textcircled{4} \quad -3a^4b^2 \cdot 2ab^2$$
$$-3a \cdot a \cdot a \cdot a \cdot b \cdot b \cdot 2a \cdot b \cdot b$$
$$-6a^5b^4$$



$$\textcircled{5} (5a^2b)^2$$

$$5a^2b \cdot 5a^2b$$
$$5aab \quad 5aab$$
$$25a^4b^2$$

$$\textcircled{6} (-2a^2b^3)^3$$

$$-2a^2b^3 \cdot -2a^2b^3 \cdot -2a^2b^3$$
$$-2aabbb \quad -2aabbb \quad -2aabbb$$
$$-8a^6b^9$$

$$\textcircled{7} (2a^2b)^2 \cdot (5ab^3)^2$$

$$2a^2b \cdot 2a^2b \cdot 5ab^3 \cdot 5ab^3$$
$$2aab \cdot 2aab \quad 5abbb \cdot 5abbb$$
$$100a^6b^8$$

$$\begin{array}{r} 50 \\ - 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 68 \\ - 14 \\ \hline 54 \end{array}$$

8-16-19 4th Trig

$$\textcircled{1} \quad n^4 \cdot n^2 =$$

↓ ↓

$$n \cdot n \cdot n \cdot n \cdot n \cdot n = n^6$$

$$\textcircled{2} \quad n^5 \cdot n \cdot n^2$$

↓ ↓ ↓

$$n \ n \ n \ n \ n \ n \ n \ n = n^8$$

$$\textcircled{3} \quad (-2a^2)(4a^3)$$

-2aa 4aaa

$$-8a^5$$

$$\textcircled{4} \quad 2a^2b \cdot 3a^3b^2$$

2aab 3aaabb

$$6a^5b^3$$

$$\textcircled{5} \quad (a^2b^3)^2$$

$a^2b^3 \cdot a^2b^3$

aabbba aabbba

$$a^4b^6$$

$$\textcircled{6} \quad (-5a^3bc^2)^2$$

$$-5a^3bc^2 - 5a^3bc^2$$

$$25a^6b^2c^4$$

$$\textcircled{7} \quad a^{100} \cdot a^{24}$$

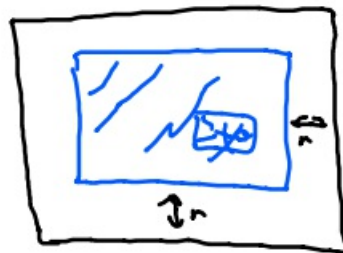
$$\underbrace{a a a a}_{100} \quad \underbrace{a a a a}_{24}$$

$$a^{124}$$

$$\textcircled{8} \quad (2a^2b)(3ab^2)(5ab)$$

$$2aab \quad 3abb \quad 5ab$$

$$30a^4b^4$$



$$\begin{array}{r} 52 \\ - 7 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 90 \\ - 9 \\ \hline 81 \end{array}$$