

Name:

ANSWERS!

Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

Select from the below the equivalent expression to $(7^5)^2$

(a)
 7^7

(b)
 49^7

(c)
 7^{10}

$5 \cdot 2 = 10$

Question 02

Select from the below the equivalent expression to $7 \cdot (7^5)^2$

(a)
 7^{11}

(b)
 7^8

(c)
 49^8

$1 + 5 \cdot 2 =$
 $1 + 10 = 11$

Question 03

Select from the below the equivalent expression to $7 \cdot (7^3)^2$

(a)
 7^7

(b)
 7^6

(c)
 7^5

$1 + 3 \cdot 2 =$
 $1 + 6 = 7$

Question 04

Select from the below the equivalent expression to $(7^5)^{-2}$

(a)
 $\frac{1}{7^{10}}$

(b)
 -7^{10}

(c)
 7^3

$5 \cdot (-2) = -10$

Question 05

Select from the below the equivalent expression to $(7^{-5})^{-2}$

(a)
 $\frac{1}{7^{10}}$

(b)
 $\frac{1}{7^7}$

(c)
 7^{10}

$(-5) \cdot (-2) = 10$

Question 06

Select from the below the equivalent expression to $\frac{(7^4)^3}{7^2}$

(a) 7^5

(b) 7^{10}

(c) 7^6

$\rightarrow \frac{7^{12}}{7^2}$

Question 07

Select from the below the equivalent expression to $\frac{(7^3)^2}{7^{-2}}$

(a) $\frac{1}{7^3}$

(b) 7^4

(c) 7^8

$\rightarrow \frac{7^6}{7^{-2}}$

Question 08

Select from the below the equivalent expression to $\frac{7 \cdot (7^5)^{-1}}{7^2}$

(a) $\frac{1}{7^8}$

(b) $\frac{1}{7^7}$

(c) $\frac{1}{7^6}$

$\rightarrow \frac{7^1 \cdot 7^{-5}}{7^2} = \frac{7^{-4}}{7^2}$

Question 09

Select from the below the equivalent expression to $7^1 \cdot (7^3)^4$

(a) 7^{13}

(b) 7^{12}

(c) 7^8

$\rightarrow 7^1 \cdot 7^{12}$

Question 10

Select from the below the equivalent expression to $7^2 \cdot (7^3)^3$

(a) 49^8

(b) 7^8

(c) 7^{11}

$\rightarrow 7^2 \cdot 7^9$