Directions: Select ALL the correct answers.

Select all expressions equivalent to the given expression.

G

$$\left(3^3 \times 3^{(-2)}\right)^{-2}$$

☐ $3^{(1)} \times 3^{(-4)}$

☐ -9

☐ $\dfrac{3^4}{3^6}$

☐ $3^{(-6)} \times 3^{(4)}$

☐ $\dfrac{1}{9}$

☐ 3^2

·Directions: Drag the tiles to the correct boxes to complete the pairs. Not all tiles will be used.

Solve each equation for n and match the solution to the equation.

| $n=0$ | $n=1$ | $n=14$ | $n=-4$ | $n=4$ | $n=9$ | $n=3$ | $n=-9$ |

| $n=-1$ |

H

$4^{(n)} = \dfrac{1}{4}$ ⟵⟶

$6^5 \times 6^n = 6$ ⟵⟶

$(8^n)^7 = 8^{21}$ ⟵⟶

$\dfrac{2^{(-7)}}{2^n} = 2^2$ ⟵⟶

$5^n = 1$ ⟵⟶

·Directions: Drag each tile to the correct box.

Evaluate each expression. Then, list the expressions in order from greatest to least according to their values.

I

| $\dfrac{5^{(-10)}}{5^{(-12)}}$ | $\dfrac{7^8}{7^8}$ | $4^2 \times 4^{(-1)}$ | $2^{(-2)} \times 2^{(-3)}$ |

⟋   ⟋   ⟋