

Evaluate the Exponents

Name: _____

Date: _____

Rewrite in Exponent Form

1) $(-36) \times (-36) \times (-36) \times (-36)$ = _____

2) $\frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7}$ = _____

3) $(-4.9) \times (-4.9) \times (-4.9) \times (-4.9) \times (-4.9)$ = _____

4) $\left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right)$ = _____

5) $7.48 \times 7.48 \times 7.48 \times 7.48 \times 7.48 \times 7.48 \times 7.48$ = _____

6) $\left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right)$ = _____

7) $12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5$ = _____

8) $(-6.48) \times (-6.48) \times (-6.48) \times (-6.48) \times (-6.48)$ = _____

9) $(-0.63) \times (-0.63) \times (-0.63) \times (-0.63)$ = _____

10) $36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36$ = _____

11) $\frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47}$ = _____

12) $19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19$ = _____

Evaluate the Exponents

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Rewrite in Exponent Form

$$1) \quad (-36) \times (-36) \times (-36) \times (-36) = \frac{(-36)^4}{\quad}$$

$$2) \quad \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} \times \frac{38}{7} = \frac{\left(\frac{38}{7}\right)^{10}}{\quad}$$

$$3) \quad (-4.9) \times (-4.9) \times (-4.9) \times (-4.9) \times (-4.9) = \frac{(-4.9)^5}{\quad}$$

$$4) \quad \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) \times \left(\frac{28}{19}\right) = \frac{\left(\frac{28}{19}\right)^6}{\quad}$$

$$5) \quad 7.48 \times 7.48 \times 7.48 \times 7.48 \times 7.48 \times 7.48 \times 7.48 = \frac{(7.48)^7}{\quad}$$

$$6) \quad \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) \times \left(-\frac{41}{13}\right) = \frac{\left(-\frac{41}{13}\right)^5}{\quad}$$

$$7) \quad 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 \times 12.5 = \frac{(12.5)^8}{\quad}$$

$$8) \quad (-6.48) \times (-6.48) \times (-6.48) \times (-6.48) \times (-6.48) = \frac{(-6.48)^5}{\quad}$$

$$9) \quad (-0.63) \times (-0.63) \times (-0.63) \times (-0.63) = \frac{(-0.63)^4}{\quad}$$

$$10) \quad 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 \times 36 = \frac{36^{10}}{\quad}$$

$$11) \quad \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} \times \frac{1}{47} = \frac{\left(\frac{1}{47}\right)^9}{\quad}$$

$$12) \quad 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 \times 19 = \frac{19^{11}}{\quad}$$