

Jan 19/16

P. III

1. 5°

1/1

3. 3⁻¹

13.

1/3

1/3⁻¹

1/3

= 3

$$28. \quad 7^4 \times 7^5$$

$$= 7^9$$


$$32. \quad 5^{-7} \div 5^{-2}$$

$$= 5^{-7 - (-2)}$$


$$= 5^{-7 + 2}$$

$$= 5^{-5}$$

$$= \frac{1}{5^5}$$

$$34. (3^3)^4$$


$$= 3^{12}$$

$$36. (8^{-1})^{-5}$$


$$= 8^5$$

$$39. 3^{-5} \times 3^{-3} \times 3^2$$

$$= 3^{-5 + -3 + 2}$$

$$= 3^{-6}$$



$$\frac{1}{3^6}$$

41.

$$8^4 \times 8^{-5} \div 8^{-2}$$

$$= 8^{4+(-5)-(-2)}$$

$$= 8^{-1+2}$$

$$= 8^1$$

$$= 8$$

55. Evaluate

$$\frac{(7^{-3})^0}{(0.1^{-1})^{-2}}$$

$$= \frac{7^0}{(0.1)^2}$$

$$= \frac{1}{0.01} = 100$$

$$56. 2^3 \times 2^{-2} \times 2^{-2}$$

$$= 2^{3+(-2)+(-2)}$$

$$= 2^{-1} = \frac{1}{2}$$

$$58. 3^0 + 3^3$$

$$= 1 + 27$$

$$= 28$$

72.

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

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

$$= -\frac{27}{8}$$

Power of a Product Rule

$$(2^3 a^2 b^6)^5$$

$$= 2^{15} a^{10} b^{30}$$

$$= 32,768 a^{10} b^{30}$$

P. VII thru 69

GO
C

Complete the review booklet to hand in on the exam day - Tuesday January 26