

Problems with the homework...

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1, 3 - 4, 6-14, 17

$$a^2 \div a^{-3} = a^{2-(-3)} = a^5 \quad 19^{-6} = \frac{1}{19^6}$$

$$(-2)^3 \times (-2)^{-5} = (-2)^{-2} = \frac{1}{(-2)^2}$$

$$\begin{aligned} 1. a) \quad 4^1 \times 4^3 \div 4^2 &= 4^{(1+3)} \div 4^2 \\ &= 4^4 \div 4^2 \\ &= 4^{(4-2)} \\ &= 4^2 \\ &= 16 \end{aligned}$$

$$9. a) 700\,000\,000 = 7 \times 10^8$$

$$b) 345 = (3 \times 10^2) + (4 \times 10^1) + (5 \times 10^0)$$

$$c) 80\,027 = (8 \times 10^4) + (2 \times 10^1) + (7 \times 10^0)$$

Homework... 3 worksheets