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$$\textcircled{e} 4q^3 p^{18} 5q^{-8} p^{-9} = 20q^{3+8} p^{18+9} = 20q^{-5} p^9$$

$$4q^3 p^{18} - 5q^{-8} p^{-9} + 4q^3 p^{18} \quad \text{No like terms}$$

$$2(3t^3)^4 (5t^2)^3 = 2 \cdot 81t^{12} 125t^6 = 20250t^{18}$$

$$\textcircled{f} -\frac{3}{5}a - \frac{3}{4}a + \frac{5}{12}a = -\frac{8}{12}a - \frac{9}{12}a + \frac{5}{12}a = -\frac{12}{12}a = -a$$

$$(3nm^2)^2 + 5nm^2 2nm^2 = 9n^2m^4 + 10n^2m^4 = 19n^2m^4$$

$$4e^2 - 7e^3 + 3e \quad \text{No like terms}$$

$$\textcircled{g} \left(\frac{36x^8 y^3}{48x^7 y^{12}}\right)^4 = \left(\frac{3x}{4y^9}\right)^4 = \frac{81x^4}{256y^{36}} \quad \frac{3a^2}{5} \left(\frac{3}{3}a\right) = \frac{3}{5} \cdot \frac{10}{3} a^3 = 2a^3$$

$$\frac{(2w^3)^2 - 7w3w^5}{34w^3} = \frac{4w^6 - 21w^6}{34w^3} = \frac{-17w^6}{34w^3} = -\frac{w^3}{2}$$

$$\textcircled{h} 3x^2 4x^2 - 7x^2 = 12x^4 - 7x^2 \quad (4e^2)(-7e^3)(3e) = -84e^6$$

$$(-3s^5)^3 5s^4 = (-27s^{15}) 5s^4 = -135s^{19}$$

$$\textcircled{i} \frac{\frac{2}{5} y^6 z^{\frac{6}{7}} y^3}{\frac{12}{15} y^5 z^4} = \frac{\frac{2}{5} \cdot \frac{6}{7} \cdot \frac{15}{12} y^9 z}{y^5 z^4} = \frac{\frac{3}{7} y^9 z}{y^5 z^4} = \frac{3}{7} \frac{y^4}{z^3} = \frac{3y^4}{7z^3}$$

flip terms

$$\frac{5x2x^4 y 5x^3}{(10xy)^5} = \frac{50x^8 y}{100000x^5 y^5} = \frac{x^3}{2000y^4}$$

$$\frac{7h^5}{3} - \frac{18h^9}{5(h^2)^2} = \frac{7}{3}h^5 - \frac{18}{5}h^5 = -\frac{11}{15}h^5$$

$$\textcircled{j} \frac{3}{8}t^2 - \frac{3}{8}t^3 - \frac{2}{3}t^3 = \frac{3}{8}t^2 - \frac{25}{24}t^3 \quad \left(\frac{3}{8}t^2\right)\left(-\frac{3}{8}t^3\right)\left(-\frac{2}{3}t^3\right) = \frac{3}{32}t^8$$

$$\left(\frac{3}{10}x^3\right)^3 - x^9 = \frac{27}{1000}x^9 - x^9 = -\frac{973}{1000}x^9$$