

February 5, 2016

$$9 - (12 - 11)^8 + 4$$

$$9 - (1)^8 + 4$$

$$9 - 1 + 4$$

$$8 + 4 = 12$$

Feb 5-9:52 AM

$$-8 - |3 - 11|$$

$$-8 - |-6|$$

$$-8 - (6)$$

$$-8 - 6 = -8 + (-6) = -14$$

Feb 5-10:02 AM

Fractions

$$\textcircled{1} \frac{\frac{5}{6} + 3}{4}$$

$$\textcircled{2} \frac{\frac{3}{x} + \frac{1}{y}}{x^2}$$

$$\textcircled{3} \frac{\frac{1}{2} - \frac{1}{3} + \frac{1}{4}}{5}$$

$$\textcircled{4} \frac{\frac{6}{11} - \frac{1}{11}}{\frac{2}{3} - \frac{1}{5}}$$

Feb 5-10:07 AM

$$\frac{\frac{5}{6} + 3}{4} = \frac{\frac{5 + 18}{6}}{4} = \frac{\frac{23}{6}}{4}$$

$$= \frac{23}{6} \cdot \frac{1}{4}$$

$$= \frac{23}{24}$$

Feb 5-10:28 AM

$$\frac{\frac{3}{x} + \frac{1}{y}}{x^2} = \frac{\frac{3 + 1}{x}}{x^2} = \frac{\frac{4}{x}}{x^2}$$

$$= \frac{4}{x} \cdot \frac{1}{x^2}$$

$$= \frac{4}{x^3}$$

Feb 5-10:30 AM

$$\frac{\frac{1}{2} - \frac{1}{3} + \frac{1}{4}}{5}$$

$$\frac{\frac{3 - 2}{6} + \frac{1}{4}}{\frac{5}{1}} = \frac{\frac{1}{6} + \frac{1}{4}}{\frac{5}{1}}$$

$$= \frac{\frac{2 + 3}{12}}{\frac{5}{1}}$$

$$= \frac{\frac{5}{12}}{\frac{5}{1}}$$

$$= \frac{5}{12} \cdot \frac{1}{5} = \frac{1}{12}$$

Feb 5-10:36 AM

$$\frac{\frac{6}{11} - \frac{1}{11}}{\frac{2}{3} - \frac{1}{3}} = \frac{\frac{6-1}{11}}{\frac{10-3}{15}} = \frac{\frac{5}{11} \text{ K}}{\frac{7}{15} \text{ C}} \text{ L}$$
$$= \frac{5}{11} \cdot \frac{15}{7}$$
$$= \boxed{\frac{75}{77}}$$

Feb 5-10:39 AM