

Quiz tomorrow!

Same format
as assignments,
but with less questions

Math 6
Spring Break Problem Set Day 4
March 17, 2017

Name and section: Key

1. Calculation. Make sure to simplify your final answers.

(a) $\frac{0}{4} + \frac{2^1}{3} =$

$\frac{1}{3}$

(b) $\frac{9}{1} + \frac{3}{2} =$

$\frac{18+3}{2} = \frac{21}{2}$

(c) $\frac{10}{1} + \frac{2}{9} =$

$\frac{90+2}{9} = \frac{92}{9}$

(d) $\frac{10^5}{84} + \frac{7}{10} =$

$\frac{50+28}{40} = \frac{78}{40} = \frac{39}{20}$

(e) $\frac{6^2}{3} + \frac{8}{3} =$

$\frac{10}{3}$

(f) $\frac{4^2}{3} + \frac{5}{10} =$

$\frac{4+3}{6} = \frac{7}{6}$

(g) $\frac{10^2}{5} + \frac{8}{1} =$

$2+8=10$

(h) $\frac{3}{2} - \frac{1}{10} =$

$\frac{15-1}{10} = \frac{14}{10} = \frac{7}{5}$

(i) $\frac{0}{6} - \frac{2}{3} =$

$-\frac{2}{3}$

(j) $\frac{5}{3} - \frac{3}{10} =$

$\frac{50-9}{30} = \frac{41}{30}$

(k) $\frac{0}{2} - \frac{5}{7} =$

$-\frac{5}{7}$

(l) $\frac{8}{3} - \frac{5}{5} =$

$\frac{8-3}{3} = \frac{5}{3}$

(m) $\frac{9}{7} - \frac{2}{5} =$

$\frac{45-14}{35} = \frac{29}{35}$

(n) $\frac{1}{10} - \frac{2}{2} =$

$\frac{1-10}{10} = -\frac{9}{10}$

2. Calculation. Make sure to simplify your final answer.

(a) $\frac{3^1}{3} \times \frac{9}{9} =$

$\frac{1}{3}$

(b) $\frac{8^1}{8} \times \frac{5^1}{10} =$

$\frac{1}{2}$

(c) $\frac{6}{10} \times \frac{4^2}{5} =$

$\frac{12}{25}$

(d) $\frac{4}{1} \times \frac{8^4}{105} =$

$\frac{16}{5}$

(e) $\frac{7}{2} \times \frac{3}{4} =$

$\frac{21}{8}$

(f) $\frac{6^2}{3} \times \frac{7}{7} =$

2

(g) $\frac{4^2}{7} \times \frac{3}{2} =$

$\frac{6}{7}$

(h) $\frac{0}{10} \div \frac{10}{6} =$

0

(i) $\frac{1}{10} \div \frac{4^1}{8} =$

$\frac{1}{10} \times 2 = \frac{1}{5}$

(j) $\frac{3}{8} \div \frac{3}{3} =$

$\frac{3}{8}$

(k) $\frac{3^1}{3} \div \frac{9}{7} =$

$1 \times \frac{7}{9} = \frac{7}{9}$

(l) $\frac{8^4}{2} \div \frac{1}{6} =$

$4 \times 6 = 24$

(m) $\frac{10}{3} \div \frac{2}{9} =$

$\frac{105}{3} \times \frac{9}{2} = 15$

(n) $\frac{4}{7} \div \frac{4}{7} =$

$\frac{4}{7} \times \frac{7}{4} = 1$