

ALGEBRA EQUATIONS FRACTIONS TEST

name.....

1)a) $a^5 \times a^2 =$

b) $4y^3 \times 2y =$

c) $10p^6 \div 2p^2 =$

d) $(g^5)^2 =$

e) $(2z^7)^3 =$

f) $(3a^2bc^5)^2 =$

g) $\frac{24y^5}{36y^9} =$

2) Simplify

a) $\frac{-5}{35} =$

b) $\frac{-2y}{10y^2} =$

c) $\frac{-2r^3}{(-2r)^2} =$

3) If $a = -2$, $b = 4$,
 $c = -5$, $d = 6$
evaluate

a) $ab - cd$

b) $a^2 - b^2$

4) Solve (showing all the required steps)

a) $5 + r = 11$

b) $s - 4 = -11$

c) $7g = 56$

d) $\frac{y}{3} = -7$

e) $4k + 5 = -3$

f) $3p - 2 = 9$

5) Solve (show all working)

a) $\frac{2}{9} + \frac{5}{6}$

b) $\frac{3}{a} - \frac{1}{ab}$

c) $\frac{a^2}{2} \times \frac{6}{3a}$

d) $1\frac{2}{3} \div 4\frac{1}{2} \times 1\frac{4}{5}$

e) $\frac{a}{c^2} \div \frac{ab}{c}$

f) $5\frac{1}{6} - 3\frac{5}{8}$

g) $\frac{\frac{a}{b} + \frac{c}{b}}{\frac{a}{b}}$

This test was as good as the last one