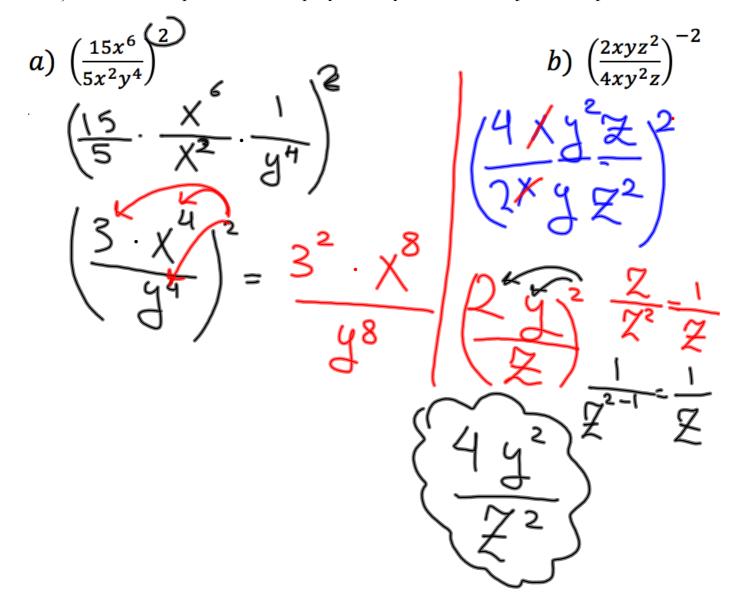
Math 9B Quiz: Indices

Name:	Feb 9 th /2017

1) Use laws of exponents and simplify. Write your answers in positive exponents.



c)
$$\left(\frac{15x^4y^5z^2}{3x^2y^3z^4}\right)^2 \times (3x^2y^3z^4)^2$$
 $(15 \times y \times y^2)^2 (3x^3y^3y^4)^2$
 $(3x^2y^3z^4)^2$
 $(2x^2y^3z^4)^2$
 $(3x^2y^3z^4)^2$
 $(3x^3y^3y^4)^2$
 $(3x^3y^3y^4)^2$

2) Find the value of x for the following... [Formative; try your best @]...

a)
$$8^{x-3} = \frac{1}{3}$$
 $3(x-3)^{\frac{3}{32}}$
 2×3
 $3(x-3)^{\frac{3}{32}}$
 $3(x-3)^{\frac{3}{$

b)
$$9^{x-2} = 27^{2-2x} = 27^{2-2} = 27^{2}$$