

MBA Maths 2009
Quiz 1

Question 1

Solve by Factorising

(a) $16 - y^4 = 0$

(b) $y^2 + y - 12 = 0$

(c) $x^3 - 9x = 0$

(d) $x^2 - 8x = -15$

(e) $-30 + 3x^2 = 9x$

(f) $z^3 = 4z$

Question 2

Express as Positive Indices

(a) $\sqrt{a^3 b^2 a}$

(b) $\frac{\sqrt{b^2 c^3}}{b^2}$

(c) $\frac{\sqrt{18c^{-3}}}{(\sqrt{4ab})^3}$

Solve for x

(d) $6x^2 + x = 2$

(e) $\frac{6x^2 + 3x}{2 + 2x} = 1$

(f) $\frac{x^2 - 1}{3(x + 2)} = 0$