

Entrance to Grade 10 Academic - Principles of Mathematics (MPM2D)

Scrap paper is available but write your final solution clearly in the space provided

a) $1.5c^2 - 0.15c$

b) $w^3 - 3w^2 + 6w - 4$

[1] c) $2x^2y + 6x^2 - x + \frac{4}{3}y$

[2] a) $0.25d^6$ b) $5.4a^5b^7$ c) $-12.1k^8$ d) $-108r^7s^9t^8$

	Cost Price	Markup	Selling Price
a)	\$3.50	20%	\$4.20
b)	\$12.00	25%	\$15.00
c)	\$11.70	30%	\$15.21
d)	\$54.74	15%	\$62.95

[3]

[4] 15 years and 44 years

[5] $-\frac{2}{11}$

[6] 243, 729, 2187

[7] 49 m^2

[8] $x = 128^\circ$
