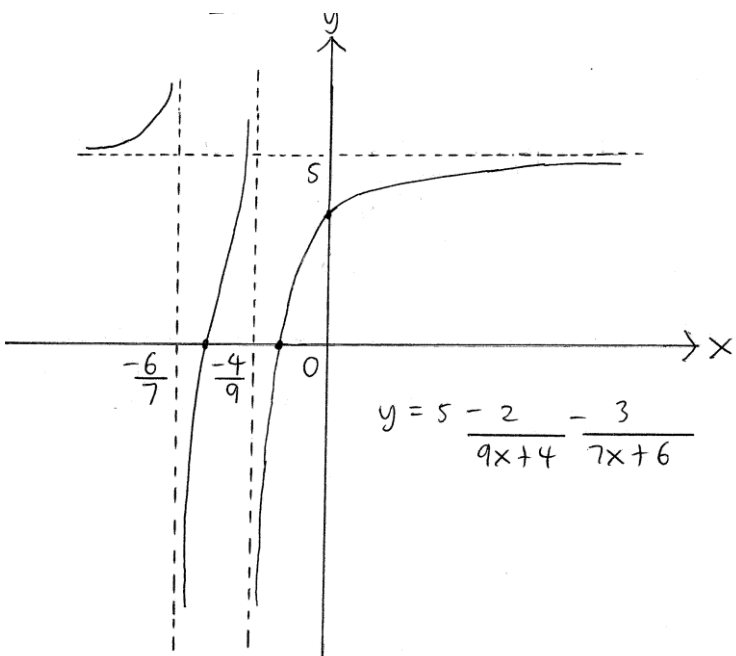


ANSWERS TO SEMESTER ONE EXAMINATION JUNE 2011 (JANUARY 2011 INTAKE)

1	Prove
2	$\frac{5}{6} - \frac{1}{N+2} - \frac{1}{N+3} ; \frac{5}{12}$
3	Prove
4	(i) $x = 1, y = -2, z = 3$ (ii) Prove (iii) Prove
5	$16u^3 - 32u^2 + 92u - 149 = 0$
6	(i) $y = 5, x = -\frac{4}{9}, x = -\frac{6}{7}$ (ii) Prove (iii) <div style="text-align: center;">  $y = 5 - \frac{2}{9x+4} - \frac{3}{7x+6}$ </div>