

HAA4.1



1) Expand $(x - 3)^2(x + 4)$

2) r is directly proportional to s . When $r = 60$, $s = 5$.
Find the value of r when $s = 3$

3) Simplify $\frac{x^2+7x+6}{7x-2-6x+3}$

4) If $f(x) = 7 - 2x^2$, find the value of $f(3)$

5) Find the coordinates of the vertex of the graph
 $y = x^2 - 8x - 5$