



- 1) Expand and simplify  $(x + 3)(x - 2)^2$
  
  
  
  
  
  
  
  
  
  
- 2) If  $f(x) = \frac{4x+3}{2}$  find  $f^{-1}(x)$
  
  
  
  
  
  
  
  
  
  
- 3) Find the equation of the line perpendicular to  $2y = 3x + 8$  passing through the point (6, 1)
  
  
  
  
  
  
  
  
  
  
- 4) Find the nth term of the sequence 3, 15, 35, 63, 99, ...
  
  
  
  
  
  
  
  
  
  
- 5) A car travels 40km in 2 hour 40 minutes, what is its average speed?