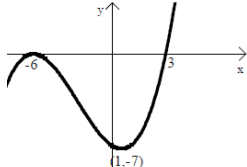


<p>131 $f(x) = 3 - x$ and $g(x) = \frac{3}{x}, x \neq 0$. Find $p(x) = f(g(x))$. If $q(x) = \frac{3}{3-x}, x \neq 3$, find $p(q(x))$ in its simplest form.</p>	
<p>132 The diagram shows $y = f(x)$. Sketch the graphs of $y = -2f(x)$ and $y = f(x - 3)$.</p> 	
<p>133 Show that the points P(3, 2, 6), Q(5, -2, 10) and R(9, -10, 18) are collinear.</p>	
<p>134 Find the magnitude between the origin and the point 'a' (3, 4, 0)</p>	
<p>135 Prove the identity: $\cos A \tan A = \sin A$.</p>	
<p>136 Find the equation of the straight line through (1, -7) perpendicular to the line $y - 2x = 30$.</p>	
<p>137 Find the equation of the median from C for a triangle with vertices A(1, -7), B(-4, 7) and C(-1, 3).</p>	
<p>138 Find the equation of the tangent to the circle $x^2 + y^2 - 10y - 43 = 0$ at the point (2, -3).</p>	
<p>139 A sequence is generated by the recurrence relation $u_{n+1} = 0.4u_n - 30$. What is the limit of the sequence as $n \rightarrow \infty$?</p>	
<p>140 Calculate the shaded area shown in the diagram.</p> 