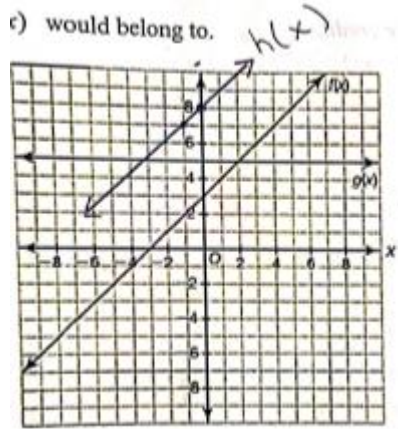


Assignment 1.5 REVIEW Key

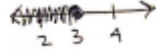
- 1)  
-5  
130  
-6  
2) A  
3)  $15x^2 + 2x + 8$   
4)  $-2y^3 - y^2 - y + 8$   
5)  $27x^2 - 33x - 42$   
6)  $3n^2 + 11n + 6$   
7)  $k^2 - 5k + 6$   
8) a. Linear  
b. Linear  
c.



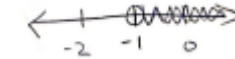
- 9) a.  $15xy(3x - 4)$   
b.  $(x - 6)(x + 3)$   
c.  $(m - 11)(m - 3)$   
d.  $2(f + 8)(f + 2)$   
e.  $(3x - 4)(2x + 1)$   
f.  $(5x - 9)(5x + 9)$   
g.  $2x(x^2 + 16)$   
h.  $(3x + 2)(x - 5)$   
10 a.  $a = \frac{7}{6}$   
b.  $x = -15$

11. a.  $x = -3$   $x = 2$   
b.  $x = 0$   $x = 5$   
c.  $x = 2$   $x = -\frac{3}{2}$   
d.  $x = 0$   $x = -5$   $x = 5$

12. a.  $(-\infty, 3]$



b.  $(-1, \infty)$



c.  $(-\infty, 1]$



13. a.  $5x^3 - 5x^2 + 20x - 8$   
b.  $x^3 - 5x^2 - 2x + 22$   
c. 37

14. Not equivalent  
15.  $x = 4$   $x = 3$