

Total points = 49

1. Yes ✓,  $m = -6$  ✓,  $b = -7$  ✓, degree = 1 ✓
2. Yes ✓,  $m = 0$  ✓,  $b = -4$  ✓, degree = 0 ✓
3. Yes ✓,  $m = 2$  ✓,  $b = -6$  ✓, degree = 1 ✓
4. No ✓
5. Yes ✓,  $m = 0$  ✓,  $b = 0$  ✓, degree = undefined ✓

1. Linear ✓
2. Linear ✓
3. Linear ✓
4. Not linear ✓
5. Linear ✓

a.  $f(0) = 4(0) - 1$  ✓  
 $f(0) = 0 - 1$  ✓  
 $f(0) = -1$  ✓

b.  $f(-1) = 4(-1) - 1$  ✓  
 $f(-1) = -4 - 1$  ✓  
 $f(-1) = -5$  ✓

c.  $f(\frac{1}{2}) = 4(\frac{1}{2}) - 1$  ✓  
 $f(\frac{1}{2}) = 2 - 1$  ✓  
 $f(\frac{1}{2}) = 1$  ✓

a.  $f(1) = -2(1) + 3 \checkmark$   
 $f(1) = -2 + 3 \checkmark$   
 $f(1) = 1 \checkmark$

b.  $f(-2) = -2(-2) + 3 \checkmark$   
 $f(-2) = 4 + 3 \checkmark$   
 $f(-2) = 7 \checkmark$

c.  $f(\frac{3}{2}) = -2(\frac{3}{2}) + 3 \checkmark$   
 $f(\frac{3}{2}) = -3 + 3 \checkmark$   
 $f(\frac{3}{2}) = 0 \checkmark$

a.  $f(2) = (\frac{3}{2})(2) + 1 \checkmark$  b.  $f(-4) = (\frac{3}{2})(-4) + 1 \checkmark$  c.  $f(\frac{1}{3}) = (\frac{3}{2})(\frac{1}{3}) + 1 \checkmark$

$f(2) = 3 + 1 \checkmark$   $f(-4) = -6 + 1 \checkmark$   $f(\frac{1}{3}) = \frac{1}{2} + 1 \checkmark$

$f(2) = 4 \checkmark$   $f(-4) = -5 \checkmark$   $f(\frac{1}{3}) = \frac{3}{2} \checkmark$

Total points = 49
-------------------

1. Yes ✓,  $m = -6$  ✓,  $b = -7$  ✓, degree = 1 ✓
2. Yes ✓,  $m = 0$  ✓,  $b = -4$  ✓, degree = 0 ✓
3. Yes ✓,  $m = 2$  ✓,  $b = -6$  ✓, degree = 1 ✓
4. No ✓
5. Yes ✓,  $m = 0$  ✓,  $b = 0$  ✓, degree = undefined ✓

1. Linear ✓
2. Linear ✓
3. Linear ✓
4. Not linear ✓
5. Linear ✓

a.  $f(0) = 4(0) - 1$  ✓  
 $f(0) = 0 - 1$  ✓  
 $f(0) = -1$  ✓

b.  $f(-1) = 4(-1) - 1$  ✓  
 $f(-1) = -4 - 1$  ✓  
 $f(-1) = -5$  ✓

c.  $f(\frac{1}{2}) = 4(\frac{1}{2}) - 1$  ✓  
 $f(\frac{1}{2}) = 2 - 1$  ✓  
 $f(\frac{1}{2}) = 1$  ✓

a.  $f(1) = -2(1) + 3 \checkmark$  b.  $f(-2) = -2(-2) + 3 \checkmark$  c.  $f(\frac{3}{2}) = -2(\frac{3}{2}) + 3 \checkmark$   
 $f(1) = -2 + 3 \checkmark$   $f(-2) = 4 + 3 \checkmark$   $f(\frac{3}{2}) = -3 + 3 \checkmark$   
 $f(1) = 1 \checkmark$   $f(-2) = 7 \checkmark$   $f(\frac{3}{2}) = 0 \checkmark$

a.  $f(2) = (\frac{3}{2})(2) + 1 \checkmark$    b.  $f(-4) = (\frac{3}{2})(-4) + 1 \checkmark$    c.  $f(\frac{1}{3}) = (\frac{3}{2})(\frac{1}{3}) + 1 \checkmark$

$f(2) = 3 + 1 \checkmark$     $f(-4) = -6 + 1 \checkmark$     $f(\frac{1}{3}) = \frac{1}{2} + 1 \checkmark$

$f(2) = 4 \checkmark$     $f(-4) = -5 \checkmark$     $f(\frac{1}{3}) = \frac{3}{2} \checkmark$

Total points = 49

1. Yes ✓,  $m = -6$  ✓,  $b = -7$  ✓, degree = 1 ✓
2. Yes ✓,  $m = 0$  ✓,  $b = -4$  ✓, degree = 0 ✓
3. Yes ✓,  $m = 2$  ✓,  $b = -6$  ✓, degree = 1 ✓
4. No ✓
5. Yes ✓,  $m = 0$  ✓,  $b = 0$  ✓, degree = undefined ✓

1. Linear ✓
2. Linear ✓
3. Linear ✓
4. Not linear ✓
5. Linear ✓

a.  $f(0) = 4(0) - 1 \checkmark$   
 $f(0) = 0 - 1 \checkmark$   
 $f(0) = -1 \checkmark$

b.  $f(-1) = 4(-1) - 1 \checkmark$   
 $f(-1) = -4 - 1 \checkmark$   
 $f(-1) = -5 \checkmark$

c.  $f(\frac{1}{2}) = 4(\frac{1}{2}) - 1 \checkmark$   
 $f(\frac{1}{2}) = 2 - 1 \checkmark$   
 $f(\frac{1}{2}) = 1 \checkmark$

a.  $f(1) = -2(1) + 3 \checkmark$  b.  $f(-2) = -2(-2) + 3 \checkmark$  c.  $f(\frac{3}{2}) = -2(\frac{3}{2}) + 3 \checkmark$   
 $f(1) = -2 + 3 \checkmark$   $f(-2) = 4 + 3 \checkmark$   $f(\frac{3}{2}) = -3 + 3 \checkmark$   
 $f(1) = 1 \checkmark$   $f(-2) = 7 \checkmark$   $f(\frac{3}{2}) = 0 \checkmark$

a.  $f(2) = (\frac{3}{2})(2) + 1 \checkmark$  b.  $f(-4) = (\frac{3}{2})(-4) + 1 \checkmark$  c.  $f(\frac{1}{3}) = (\frac{3}{2})(\frac{1}{3}) + 1 \checkmark$

$f(2) = 3 + 1 \checkmark$   $f(-4) = -6 + 1 \checkmark$   $f(\frac{1}{3}) = \frac{1}{2} + 1 \checkmark$

$f(2) = 4 \checkmark$   $f(-4) = -5 \checkmark$   $f(\frac{1}{3}) = \frac{3}{2} \checkmark$

Total points = 49
-------------------

1. Yes ✓,  $m = -6$  ✓,  $b = -7$  ✓, degree = 1 ✓
2. Yes ✓,  $m = 0$  ✓,  $b = -4$  ✓, degree = 0 ✓
3. Yes ✓,  $m = 2$  ✓,  $b = -6$  ✓, degree = 1 ✓
4. No ✓
5. Yes ✓,  $m = 0$  ✓,  $b = 0$  ✓, degree = undefined ✓

1. Linear ✓
2. Linear ✓
3. Linear ✓
4. Not linear ✓
5. Linear ✓

a.  $f(0) = 4(0) - 1$  ✓  
 $f(0) = 0 - 1$  ✓  
 $f(0) = -1$  ✓

b.  $f(-1) = 4(-1) - 1$  ✓  
 $f(-1) = -4 - 1$  ✓  
 $f(-1) = -5$  ✓

c.  $f(\frac{1}{2}) = 4(\frac{1}{2}) - 1$  ✓  
 $f(\frac{1}{2}) = 2 - 1$  ✓  
 $f(\frac{1}{2}) = 1$  ✓

a.  $f(1) = -2(1) + 3 \checkmark$  b.  $f(-2) = -2(-2) + 3 \checkmark$  c.  $f(\frac{3}{2}) = -2(\frac{3}{2}) + 3 \checkmark$   
 $f(1) = -2 + 3 \checkmark$   $f(-2) = 4 + 3 \checkmark$   $f(\frac{3}{2}) = -3 + 3 \checkmark$   
 $f(1) = 1 \checkmark$   $f(-2) = 7 \checkmark$   $f(\frac{3}{2}) = 0 \checkmark$

a.  $f(2) = \left(\frac{3}{2}\right)(2) + 1 \checkmark$    b.  $f(-4) = \left(\frac{3}{2}\right)(-4) + 1 \checkmark$    c.  $f\left(\frac{1}{3}\right) = \left(\frac{3}{2}\right)\left(\frac{1}{3}\right) + 1 \checkmark$

$f(2) = 3 + 1 \checkmark$     $f(-4) = -6 + 1 \checkmark$     $f\left(\frac{1}{3}\right) = \frac{1}{2} + 1 \checkmark$

$f(2) = 4 \checkmark$     $f(-4) = -5 \checkmark$     $f\left(\frac{1}{3}\right) = \frac{3}{2} \checkmark$