4.1 Arithmetic Sequences and Linear Functions

For the given sequence write the arithmetic sequence then rewrite into function notation.

1. -15, -16, -17, -18, -19, ….	
$a_n =$	$f(n) =$
2. 360,440, 520, 600, 680,....	
$a_n =$	$f(n) =$
3. 28, 26, 24, 22, 20,.....	
$a_n =$	$f(n) =$
4. 540, 630, 720, 810, 900,.....	
$a_n =$	$f(n) =$
5. -8, -5, -2, 1, 4,.....	
$a_n =$	$f(n) =$
6. 6, 4.5, 3, 1.5, 0, ……	
$a_n =$	$f(n) =$

7. 520, 530, 540, 550, 560,..... $a_n =$	$f(n) =$
8. -4.8, -6.0, -7.2, -8.4, …… $a_n =$	$f(n) =$
9. 10, 3, -4, -11,..... $a_n =$	$f(n) =$
10. -101, -112, -123, -134,..... $a_n =$	$f(n) =$
11. 3.8, 5.1, 6.4, 7.7,..... $a_n =$	$f(n) =$

Review:

Evaluate each function for the given values.

12. $f(x) = 3x - 10$ f(0) f(5)	13. $f(x) = 9x + 7 - 3x$ f(0) f(0.5)