

# Graphing Functions

## Skill 4 - 10C

### Use a Function Table

Example

Choose the equation that shows the data in the table.

$a$	1	2	3	4			
$b$	3	5	7	9			
$b = 2a + 1$		$b = a + 1$		$b = 2a + 2$		$b = 3a + 1$	
<b>Answer: <math>b = 2a + 1</math></b>							

Choose the equation that shows the data in the table.

1.

$a$	1	2	3	4	5		
$b$	3	4	5	6	7		
$b = a + 1$		$b = a + 2$		$b = 2a$		$b = a + 3$	

2.

$a$	1	2	3	4	5		
$b$	4	5	6	7	8		
$b = 3a$		$b = a + 3$		$b = 2a$		$b = a + 2$	

3.

$a$	1	2	3	4	5		
$b$	2	4	6	8	10		
$b = a + 1$		$b = a + 2$		$b = 2a$		$b = a + 3$	

4.

$a$	1	2	3	4	5		
$b$	3	4	5	6	7		
$b = 2a$		$b = a + 2$		$b = 3a$		$b = a + 4$	

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### Use a Function Table

Choose the equation that shows the data in the table.

5.

$a$	1	2	3	4	5
$b$	3	6	9	12	15

$b = 2a$

$b = 3a$

$b = 3a + 1$

$b = 2a + 1$

6.

$a$	1	2	3	4	5
$b$	3	5	7	9	11

$b = 3a$

$b = a + 3$

$b = 2a + 2$

$b = 2a + 1$

7.

$x$	1	2	3	4	5
$y$	4	7	10	13	16

$y = x + 3$

$y = 2x + 2$

$y = 2x + 1$

$y = 3x + 1$

8.

$c$	3	4	5	6	7
$d$	9	12	15	18	21

$d = 3c$

$d = c + 3$

$d = 4c$

$d = c + 4$

9.

$x$	6	7	8	9	10
$y$	14	16	18	20	22

$y = 2x + 1$

$y = 2x + 2$

$y = 2x - 2$

$y = 3x$

Answer Key  
Skill 4 - 10C

1. 

$a$	1	2	3	4	5
$b$	3	4	5	6	7

  
 $b = a + 1$                        $b = a + 2$                        $b = 2a$                        $b = a + 3$

2. 

$a$	1	2	3	4	5
$b$	4	5	6	7	8

  
 $b = 3a$                        $b = a + 3$                        $b = 2a$                        $b = a + 2$

3. 

$a$	1	2	3	4	5
$b$	2	4	6	8	10

  
 $b = a + 1$                        $b = a + 2$                        $b = 2a$                        $b = a + 3$

4. 

$a$	1	2	3	4	5
$b$	3	4	5	6	7

  
 $b = 2a$                        $b = a + 2$                        $b = 3a$                        $b = a + 4$

5. 

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$b$	3	6	9	12	15

  
 $b = 2a$                        $b = 3a$                        $b = 3a + 1$                        $b = 2a + 1$

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$a$	1	2	3	4	5
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 $b = 3a$                        $b = a + 3$                        $b = 2a + 2$                        $b = 2a + 1$

7. 

$x$	1	2	3	4	5
$y$	4	7	10	13	16

  
 $y = x + 3$                        $y = 2x + 2$                        $y = 2x + 1$                        $y = 3x + 1$

8. 

$c$	3	4	5	6	7
$d$	9	12	15	18	21

  
 $d = 3c$                        $d = c + 3$                        $d = 4c$                        $d = c + 4$

9. 

$x$	6	7	8	9	10
$y$	14	16	18	20	22

  
 $y = 2x + 1$                        $y = 2x + 2$                        $y = 2x - 2$                        $y = 3x$