REVIEW: Linear Patterns



Skill Example

- **1. Equation:** y = 15 3x
 - x
 0
 1
 2
 3
 4
 5

 y
 15
 12
 9
 6
 3
 0

Words: Each time *x* increases by 1, *y decreases* by 3.

PRACTICE MAKES PURR-FECT

Complete the table. Then describe the pattern.

Name ___

Visual Model





Application Example

2. The equation P = 5t describes how much pay *P* you earn for working *t* hours. Make a table and describe the pattern.

t	1	2	3	4	5	6
Р	5	10	15	20	25	30

You get paid \$5 an hour.

Check your answers at BigIdeasMath.com. —

3. y = x + 7Each time *x* increases by 1, 0 1 2 3 4 5 X 7 8 9 10 11 12 V *y* increases by 1. **4.** y = 9 - xEach time *x* increases by 1, 0 1 2 3 4 5 X V 9 8 7 6 5 4 *y* decreases by 1. **5.** y = 4x + 5Each time *x* increases by 1, 0 2 3 4 5 X 1 9 5 13 17 21 25 V *v* increases by 4. 6. y = 90 - 6xEach time *x* increases by 1, 0 1 2 3 4 5 X 84 78 72 66 60 90 V *y* decreases by 6.

Write an equation for the pattern.



9. HOURLY PAY The equation P = 7t describes how much pay *P* you earn for working *t* hours. Describe the pattern. You get paid \$7 an hour.