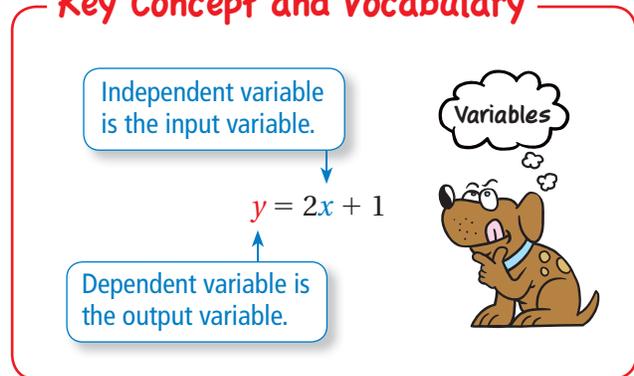


REVIEW: Variables

Name _____

Key Concept and Vocabulary



Visual Model

Independent Variable	Expression	Dependent Variable
x	$2x + 1$	y
1	$2(1) + 1$	3
2	$2(2) + 1$	5
3	$2(3) + 1$	7

Skill Examples

- In $y = 3x - 2$, x is the independent variable and y is the dependent variable.
- In $C = 2\pi r$, r is the independent variable and C is the dependent variable.
- In $A = \ell w$, ℓ and w are the independent variables and A is the dependent variable.

Application Example

- Your income i is calculated from the total time t worked. Identify the independent variable and the dependent variable.
 - Total time t is the independent variable and your income i is the dependent variable.

PRACTICE MAKES PURR-FECT™



Check your answers at BigIdeasMath.com.

Identify the independent variable(s) and the dependent variable.

5. $y = 6x + 1$ _____ 6. $A = \frac{1}{2}bh$ _____ 7. $A = \pi r^2$ _____

8. $m = 15 - n$ _____ 9. $V = \ell wh$ _____ 10. $P = 2\ell + 2w$ _____

11. _____

Hours Studying, h	Test Score, s
2	72%
3	80%
5	91%
7	98%

12. _____

Number of CDs, n	Total Cost, c
1	\$9.99
2	\$19.98
3	\$29.97
4	\$39.96

13. **DISTANCE** To find the distance d traveled, you multiply the rate r by the time t . Identify the independent variables and the dependent variable.
- _____