

Grade: 8

CCSS Domain: The Number System

$\sqrt{2}$ is between which two numbers?

- A. 0.5 and 1
- B. 1 and 1.5
- C. 1.5 and 2

$5\overline{)\pi}$ is ___

- A. irrational
- B. an integer
- C. rational

Grade: 8

CCSS Domain: Expressions & Equations

$\frac{8^2}{8^4} = \underline{\hspace{1cm}}$

- A. $\frac{1}{64}$
- B. 64
- C. -16

$4,000,000,000 = \underline{\hspace{1cm}}$

- A. 4×10^9
- B. 4×10^8
- C. 4×10^{10}

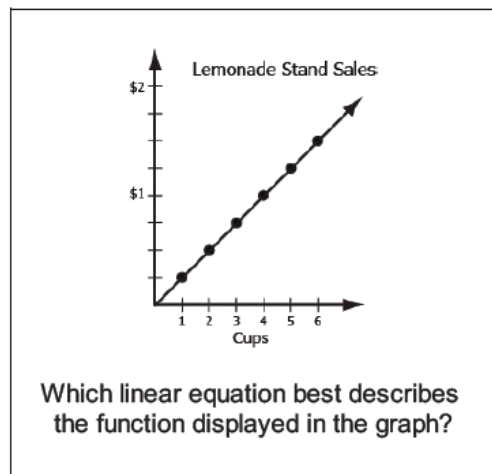
Grade: 8

CCSS Domain: Functions

Is this function linear, nonlinear, or both?

$$y = \frac{1}{2}x - 2$$

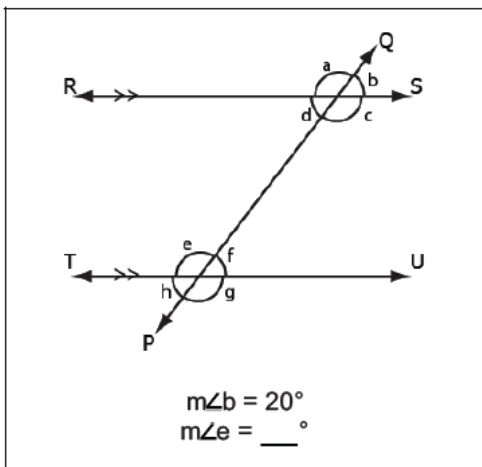
- A. linear
- B. nonlinear
- C. both



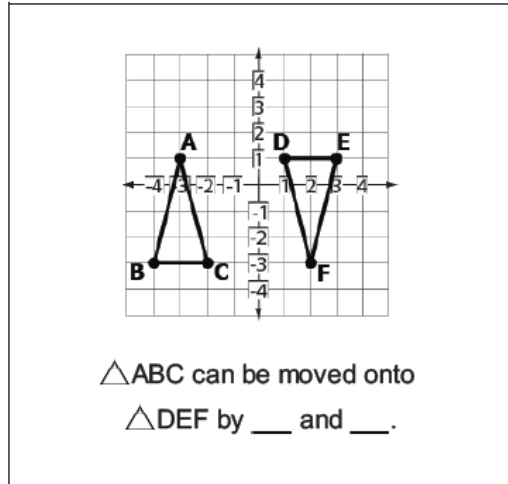
- A. $y = 0.5x$
- B. $y = 2x$
- C. $y = 0.25x$

Grade: 8

CCSS Domain: Geometry



- A. 160
- B. 20
- C. 140



- A. reflection and translation
- B. translation only
- C. rotation and translation

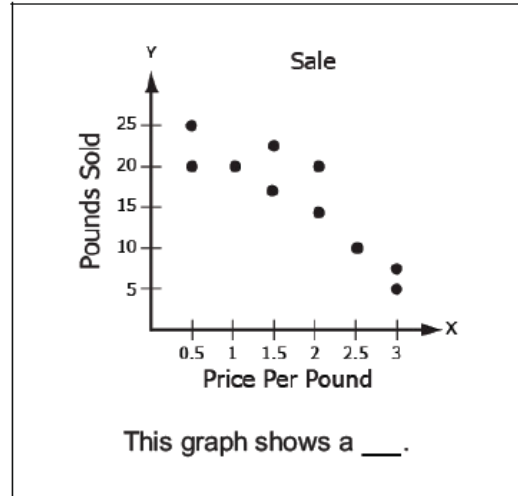
Grade: 8

CCSS Domain: Statistics and Probability

		Can Swim	
		No	Yes
Can Surf	No	15	80
	Yes	0	5

Based on the table, which statement is true?

- A. All students can swim.
- B. All students who can swim, can also surf.
- C. All students who cannot swim, also cannot surf.



- A. negative correlation
- B. positive correlation
- C. near zero correlation