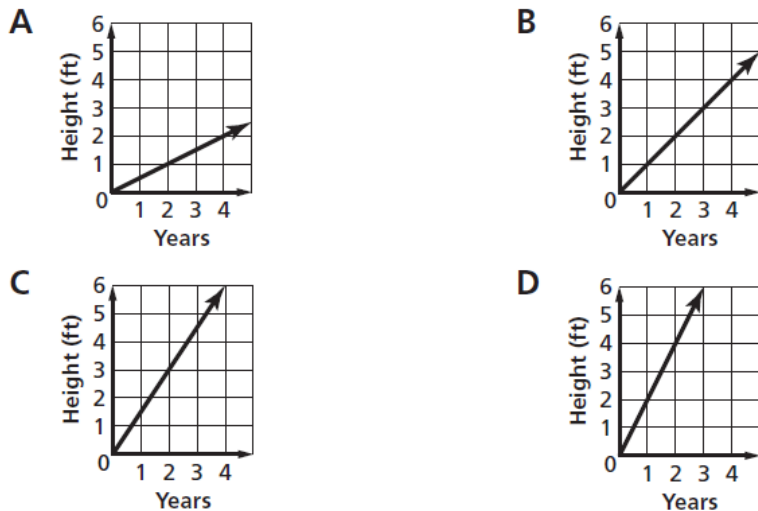


43 The ratio of sea stars to sea anemones in a tide pool is 1 to 7. Which linear function relates the proportion of sea stars s to sea anemones a ? 43 _____

- A $s = 7a$ B $a = 7s$ C $a = \frac{1}{7}s$
 D $s + a = 7$ E $sa = 7$

44 The graphs show the rates of growth for four tupelo trees. Which tree is growing the slowest? 44 _____



45 The stem-and-leaf plot displays the number of music requests made each day at a radio station over a three-week period. What is the median number of requests?

Music Requests	
Stem	Leaf
0	4 5 5 6 7 7 8 8 9
1	0 1 1 2 6 6 8
2	1 3 3
3	0 3

- A 4 B 6
 C 10 D 11
 E 33

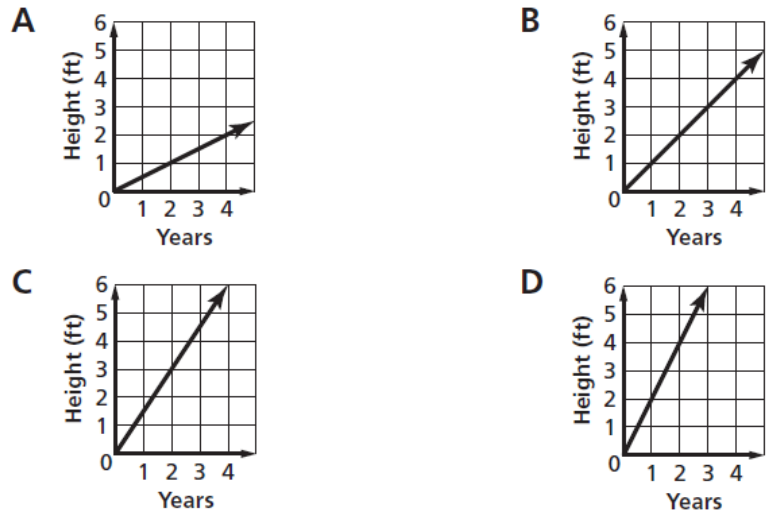
$1|2 = 12$

46 Which system of equations has no solution? 46 _____

- A $y = 3x + 2$
 $y = -2x - 3$
 B $-3x + y = 2$
 $2y = 6x + 4$
 C $y = -3x + 2$
 $2y = -6x - 4$
 D $y = -3x - 2$
 $-2x - y = -4$
 E $y = 3x - 2$
 $2x - y = 4$

- 43 The ratio of sea stars to sea anemones in a tide pool is 1 to 7. Which linear function relates the proportion of sea stars s to sea anemones a ? 43 **B**
- A $s = 7a$ B $a = 7s$ C $a = \frac{1}{7}s$ **II.B.7.**
 D $s + a = 7$ E $sa = 7$

- 44 The graphs show the rates of growth for four tupelo trees. Which tree is growing the slowest? **II.B.2.** 44 **A**



- 45 The stem-and-leaf plot displays the number of music requests made each day at a radio station over a three-week period. What is the median number of requests? 45 **D**
- A 4 B 6 **I.B.4.**
 C 10 D 11

Music Requests	
Stem	Leaf
0	4 5 5 6 7 7 8 8 9
1	0 1 1 2 6 6 8
2	1 3 3
3	0 3

$1|2 = 12$

- 46 Which system of equations has no solution? **II.D.2.** 46 **C**
- A $y = 3x + 2$
 $y = -2x - 3$
 B $-3x + y = 2$
 $2y = 6x + 4$
 C $y = -3x + 2$
 $2y = -6x - 4$
 D $y = -3x - 2$
 $-2x - y = -4$
 E $y = 3x - 2$
 $2x - y = 4$