#### Warm-up Tuesday April 26

- A company charges \$211.25 for 5 trees and 15 shrubs. The company charges \$15.25 more for a tree than a shrub. How much does each shrub cost?
  - A \$6.75
  - B \$7.75
  - C \$19.25
  - D \$22.00

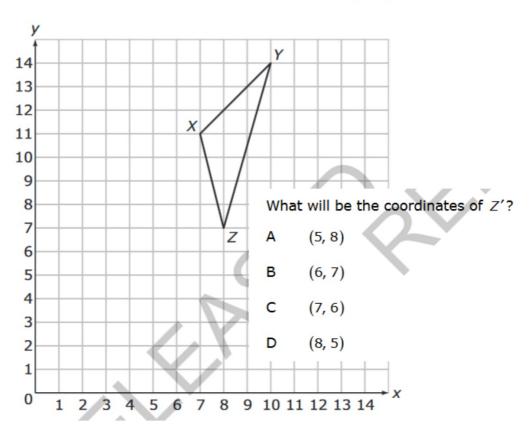
# Complete problems 19 and 24-26 in your EOG Packet!

#### Warm-up Tuesday April 26

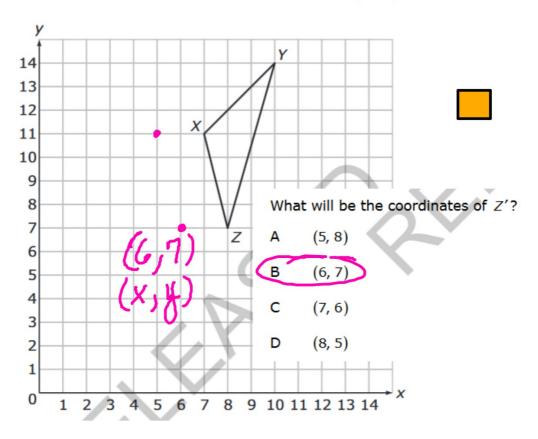
A company charges \$211.25 for 5 trees and 15 shrubs. The company charges \$15.25 more for a tree than a shrub. How much does each shrub cost?

$$5(15.25+s) + 15s = 211.25$$
  
 $76.25+5s+15s = 211.25$   
 $76.25+20s = 211.25$   
 $20s = 135.00$   
 $5 = 6.75$ 

#### $\triangle XYZ$ will be translated so that the coordinates of X' are (5, 11)



#### $\triangle XYZ$ will be translated so that the coordinates of X' are (5, 11)



- 25 Kim made soup which contains 75 total ounces of beans.
  - The soup has two kinds of beans, black and red.
  - There are 4 times as many ounces of black beans as red beans.

How many ounces of red beans are in the soup?

A 5

B 12

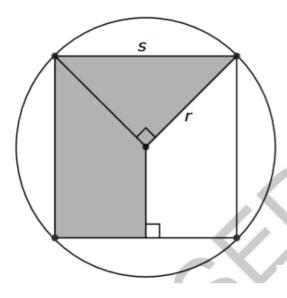
C 15

D 19

- The soup has two kinds of beans, black and red.
- There are 4 times as many ounces of black beans as red beans.

How many ounces of red beans are in the soup?

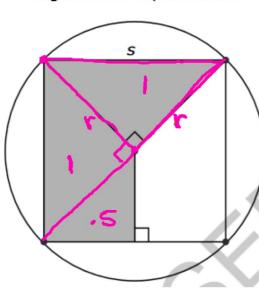
The figure below shows a square inscribed in a circle. The area of the shaded region is 2.5 square units.



What is the *approximate* area of the circle?

- A 3.1 square units
- B 4.7 square units
- C 6.3 square units
- D 7.9 square units

The figure below shows a square inscribed in a circle. The area of the shaded region is 2.5 square units.



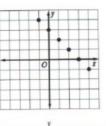
$$A = \pi r^2$$
 $A = \pi (fa)^2$ 
 $A = \lambda \pi$ 
 $A = \lambda \pi$ 
 $A = \lambda 3.14$ 
 $A = 6.28$ 

What is the approximate area of the circle?

- A 3.1 square units
- B 4.7 square units
- C 6.3 square units
- D 7.9 square units

### **Daily Homework Check**

# 3 (Table and Rule) # 2nd page- who did jumping jacks faster?



Graph

Table

Rule

٨	X	У
м.	-2	3
	- 0	2
		_

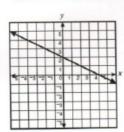
0

E. y = x + 2

					4			1	П	П	
П					6		/			$\Box$	
П				П	4	1					
П		П	П		1						
П				1	2						
	Т		1		1	П					
*5	-4	7	-2	-4	0	1	2	3	4	5	•
	1		Г		-1						
Z					-2						
					-3						
П	Г	П			-4						
$\overline{}$	$\overline{}$	Т			-6	,					

В.	X	У
	-4	-2
	-3	-1
	-1	1
	2	4

F. y = -x + 3



H

X	У
-1	4
1	2
3	0
4	-1

G. y = x + 3

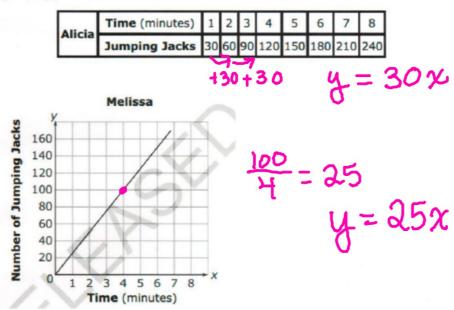
					Ŕ				A		Г
					5			1			Г
					4		1				Г
			П	Г	3	1					Г
				П	1						
	П	П		1	1						
5	-4	3	7	1	0	1	2	3	4	5	
П	П	1		Г	71						
	1		П		-2						
K					-3						

<u>B</u> <u>E</u>

X	У
-3	0
-2	1
-1	2
1	4

H.  $y = -\frac{1}{2}x + 2$ 

Alicia and Melissa did jumping jacks. The table below shows the number of jumping jacks that Alicia had done in different amounts of time.



## Who did jumping jacks faster? **Alicia**

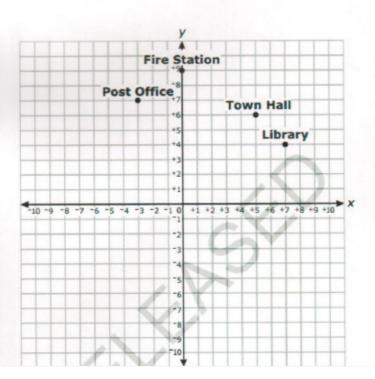
What is the difference between jumping jacks per minute?

5 jumping jacks per minute

Identify the slope between:

Fire Station and Town Hall: Post Office and Fire Station: Post Office and Library:

<u>-3</u> <u>2</u> <u>-3</u> 10

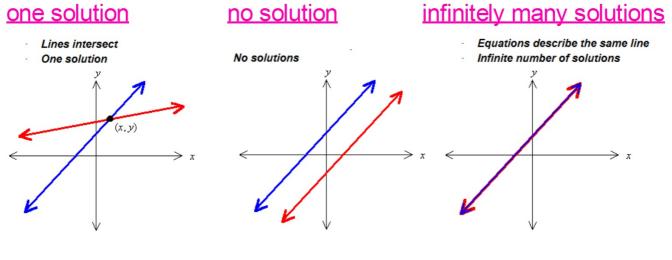


#### Solving Systems of Equations

System of Equations - two or more equations in the same variables

Solution to a system of equations - the ordered pairs that make both equations true

Three different solutions to systems of equations:

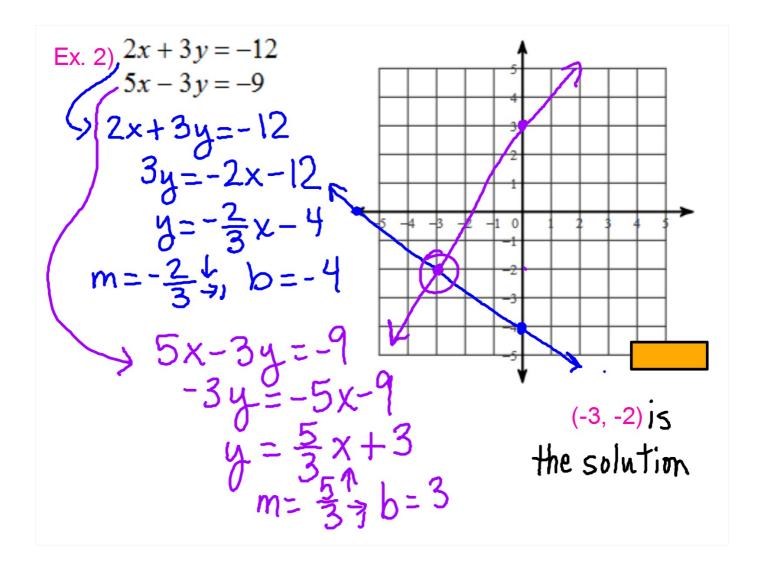


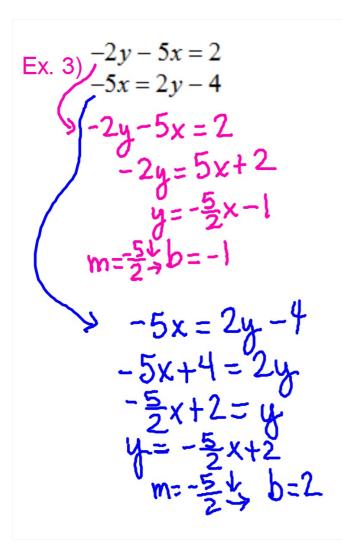
We can solve systems two ways graphing and substitution.

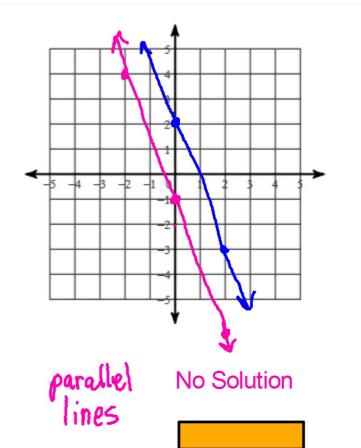
#### Steps to solving by graphing

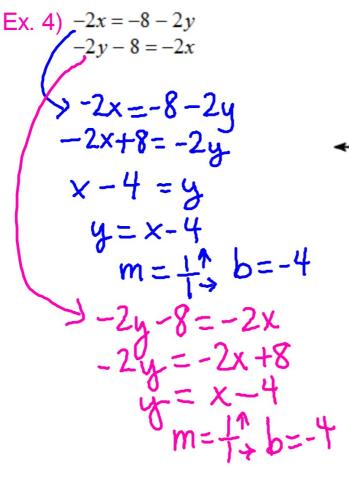
- 1) Write the equations in slope-intercept form
- 2) Graph on equation
- 3) Graph the second equation
- 4) Write the solution of the system by looking at the graph

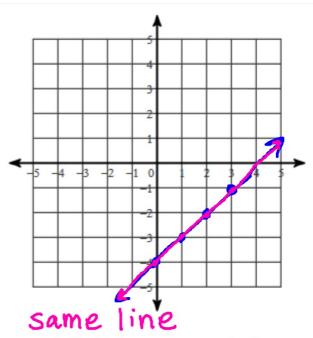
Solve the following systems by graphing.











infinitely many solutions



Homework: Solving Systems by Graphing Worksheet



