<b>x+y</b> Solve a System of Equations Using Elimination	Name:
<ul> <li>*1</li> <li>Kaylee went to the store to buy socks. She bought 4 sport socks and 4 warm socks for \$36.</li> <li>Next time she went to the same store she bought 3 sport socks and 3 warm socks for a total of \$27.</li> <li>Using the data she has, find out how much each type of sock costs. Write a system of equations to describe the situation below and solve using elimination.</li> </ul>	
Sport socks cost \$ while warm socks cost \$	Show your work
In a fantastical sport that Alexander plays, he can get 3 short shots and 4 long shots for a total of 22 points. In another games he gets a total of 18 points with 5 short shots and 2 long shots. How much is each type of shot worth? Write a system of equations to describe the situation below and solve using elimination.	
Long shots are worth, and short shots are worth	Show your work
*3 Nathan knows he can run 2 kilometers (km) and swim 5 km in 25 minutes. To prove it he swims 3 km and runs 4 km in 29 minutes. Write a system of equations to describe the situation below, solve using elimination.	
Nathan can run a km in minutes and swim a km in minutes.	Show your work
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Solve a System of Equations Using Elimination	Name:
Choose the best answer	
Kaylee teaches both a morning and an evening math class. On the midterm 3 morning students wrote it as well as 2 evening students. A sum of all their marks gave a grand total of 16. For the final there was a grand total of 16 marks, but it was written by 2 morning students and 4 evening students. What is the average mark for both classes? Write a system of equations to describe the situation below, solve using elimination.	
Morning average: 4Morning average: 5OEvening average: 2OEvening average: 3Evening average: 3	
Morning average: 6Morning average: 2OEvening average: 4OEvening average: 5	Show your work
Choose the best answer	
Daniel knows he can run 2 kilometers (km) and swim 2 km in 14 minutes. To prove it he swims 4 km and runs 3 km in 24 minutes. Write a system of equations to describe the situation below, solve using elimination.	
Swim 1 km in 6 mins,Swim 1 km in 4 mins,Run 1 km in 3 mins.Run 1 km in 7 mins.	
Swim 1 km in 3 mins,Swim 1 km in 2 mins,Run 1 km in 4 mins.Run 1 km in 6 mins.	Show your work
Hailey teaches both a morning and an evening math class. On the midterm 5 morning students wrote it as well as 2 evening students. A sum of all their marks gave a grand total of 31. For the final there was a grand total of 25 marks, but it was written by 2 morning students and 5 evening students. What is the average mark for both classes? Write a system of equations to describe the situation below, solve using elimination.	
Morning class has an average of,	Showyourwork
	According to the provide the second pro

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х+у	Solve a System of Equations Using Elimination	Name:
#7	Write a system of equations to describe the situation below and solve using elimination. Over the last two months Brianna has been keeping track of how many cuts and colors she has done at the salon. The first month she did 3 cuts and 4 colors and made \$18. The following month she made \$19 by doing 5 cuts and 3 colors. How much does a cut and a color cost at Brianna's salon?	
	Brianna charge \$ for haircut and \$ for a coloring.	Show your work
#8 f	Hailey is playing Zombie Saloon and in a single round she kills 5 zomblets (mini zombies), and 5 zomblers (monster zombies). Hailey gets a total score of 45 in the irst round. In the second round Hailey receives 22 points in total for killing 3 zomblets and 2 zomblers. Find out ow many points zomblets and zomblers are worth each. Write a system of equations to describe the situation below, solve using elimination.	
	Zomblets are worth points and zomblers are worth points.	Show your work
#9	Choose the best answer	
Olivia pays for a total of 18 kilowatts of power for a month of running 2 televisions and 2 refrigerators. The next month she uses a total of 27 kilowatts for 3 televisions and 3 refrigerators. How many kilowatts a month do televisions and refrigerators use? Write a system of equations to describe the situation below, solve using elimination.		
(	Televisions 8 kW,Televisions 7 kW,Refrigerators 3 kW.Refrigerators 2 kW.Televisions 5 kW.Televisions 3 kW.	
(	Refrigerators 4 kW. Refrigerators 6 kW.	Show your work
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<b>x+y</b> Solve a System of Equations Using Elimination	Name:		
Emma teaches both a morning and an evening math class. On the midterm 3 morning students wrote it as well as 2 evening students. A sum of all their marks gave a grand total of 13. For the final there was a grand total of 23 marks, but it was written by 5 morning students and 4 evening students. What is the average mark for both classes? Write a system of equations to describe the situation below, solve using elimination.			
Morning class has an average of, but the evening class has an average of	Show your work		
<sup>#11</sup> Choose the best answer			
Isabelle pays for a total of 35 kilowatts of power for a month of running 5 televisions and 5 refrigerators. The next month she uses a total of 16 kilowatts for 2 televisions and 3 refrigerators. How many kilowatts a month do televisions and refrigerators use? Write a system of equations to describe the situation below, solve using elimination.			
Televisions 7 kW,Televisions 3 kW,ORefrigerators 5 kW.ORefrigerators 4 kW.Refrigerators 4 kW.			
Televisions 4 kW,Televisions 5 kW,ORefrigerators 3 kW.ORefrigerators 2 kW.Refrigerators 2 kW.	Show your work		
#12 Choose the best answer Write a system of equations to describe the situation below and solve using elimination. Over the last two months Anna has been keeping track of how many cuts and colors she has done at the salon. The first month she did 3 cuts and 4 colors and made \$26. The following month she made \$33 by doing 4 cuts and 5 colors. How much does a cut and a color cost at Anna's salon?			
\$3 haircut,\$2 haircut,\$6 coloring.\$5 coloring.			
\$5 haircut,\$4 haircut,\$7 coloring.\$8 coloring.	Show your work		

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Question	Answer
#1	4, 5
#2	2, 4
#3	5, 3
#4	choice 1
#5	choice 3
#6	5, 3
#7	2, 3
#8	4, 5
#9	choice 3
#10	3, 2
#11	choice 4
#12	choice 2

## **x+y** Solve a System of Equations Using Elimination



