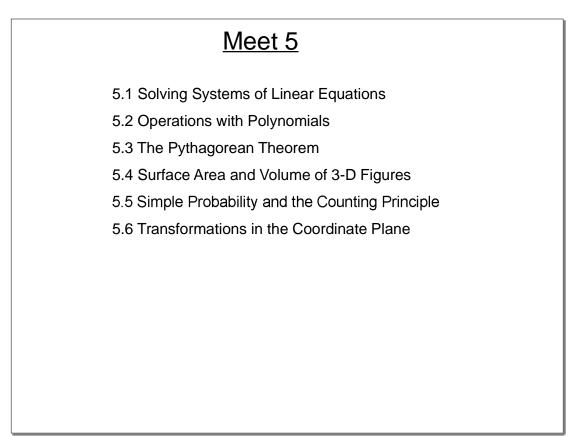
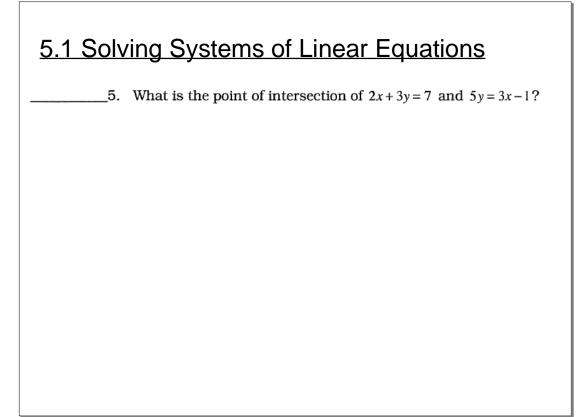
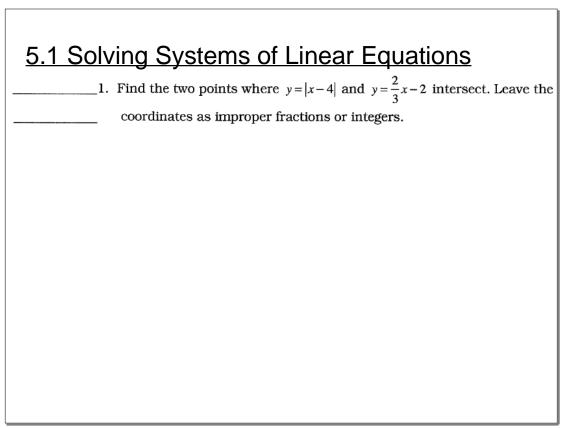
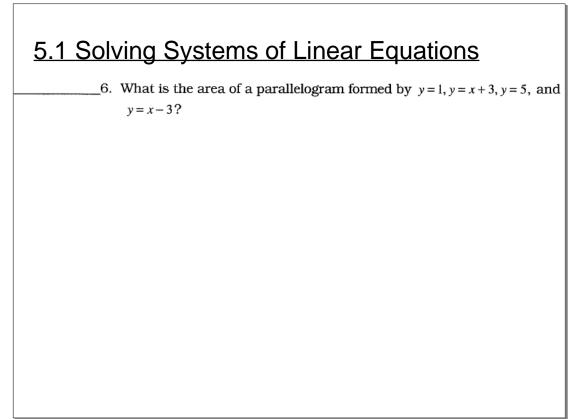


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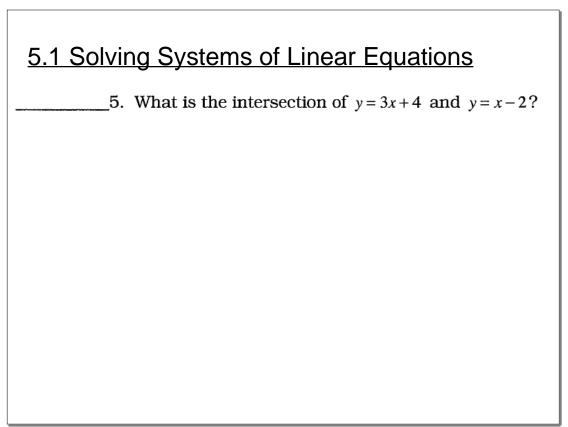


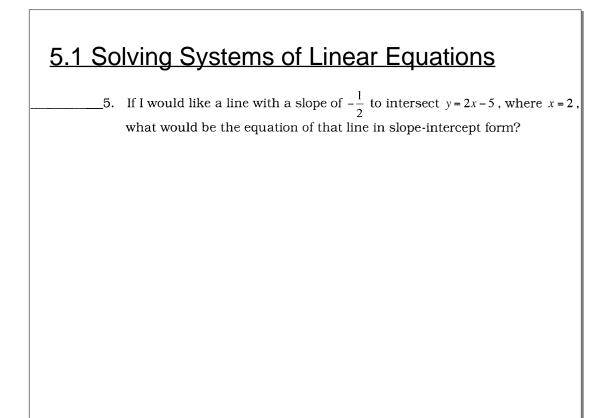


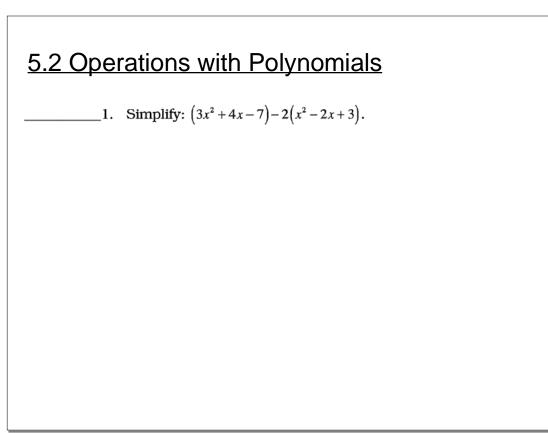


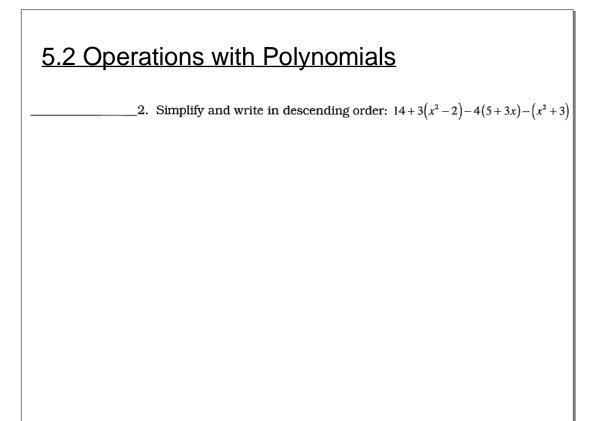


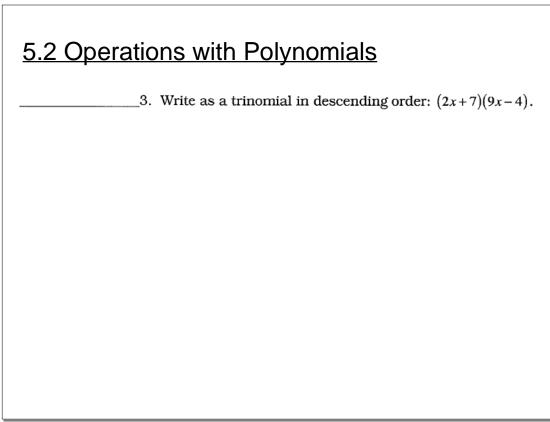
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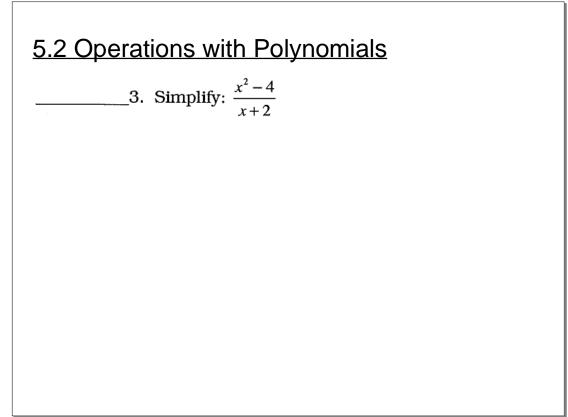


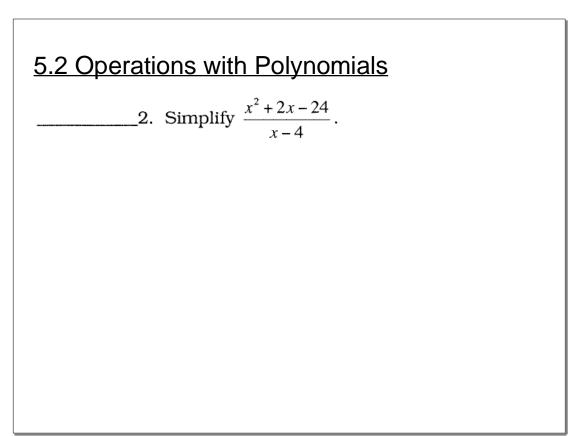


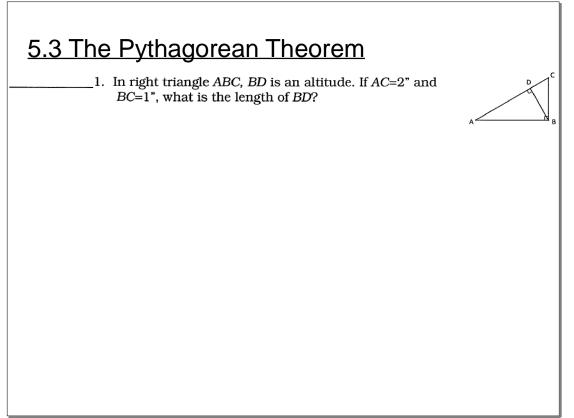


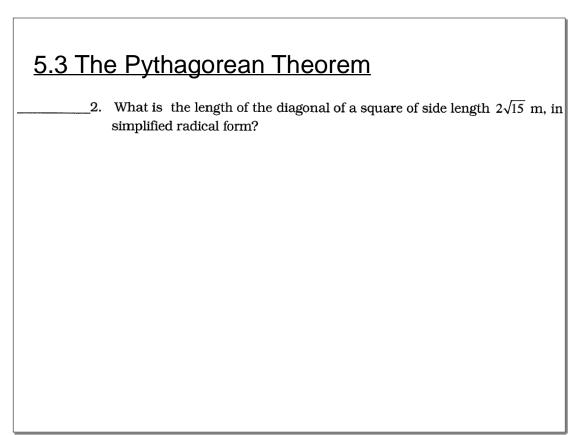


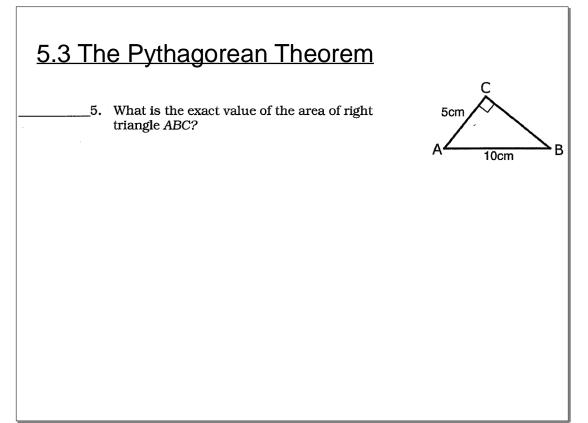


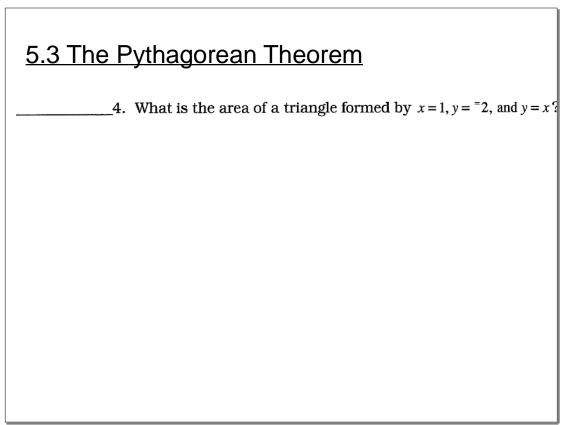


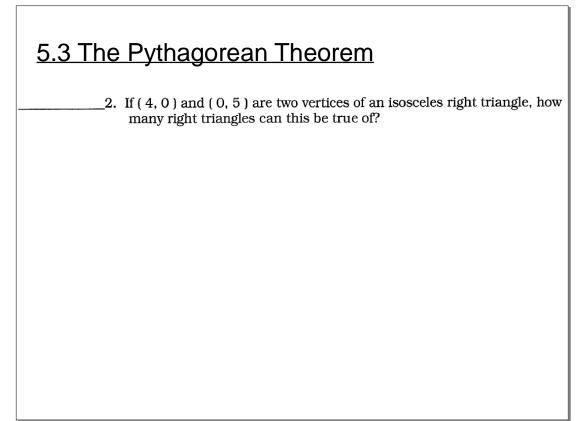






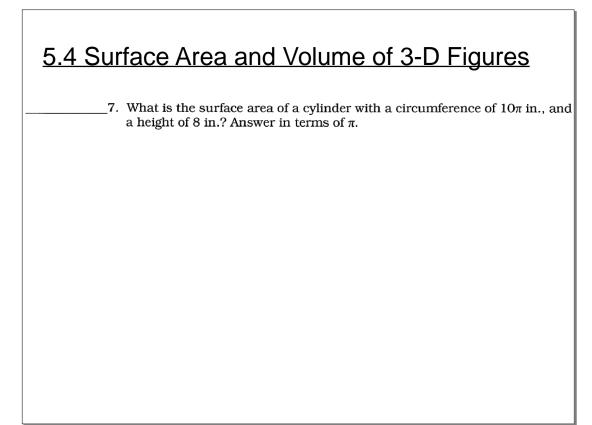


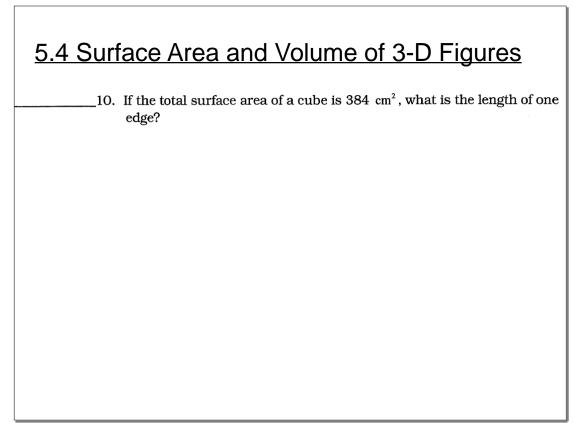






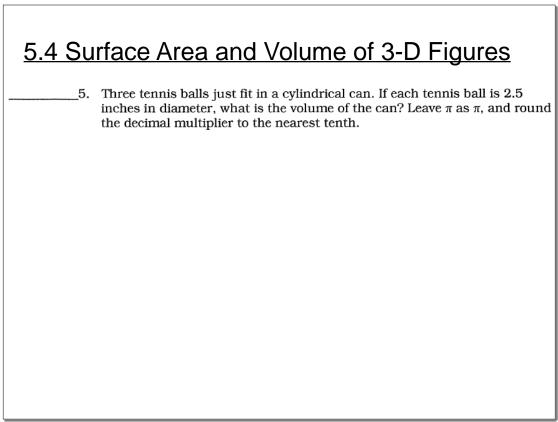
\_2. What is the surface area of a cube with an edge of one half inch?

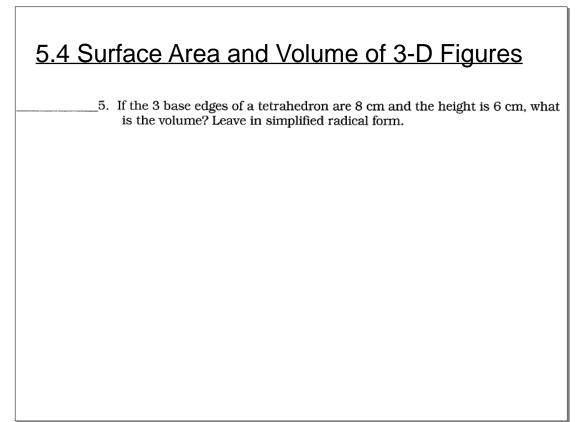


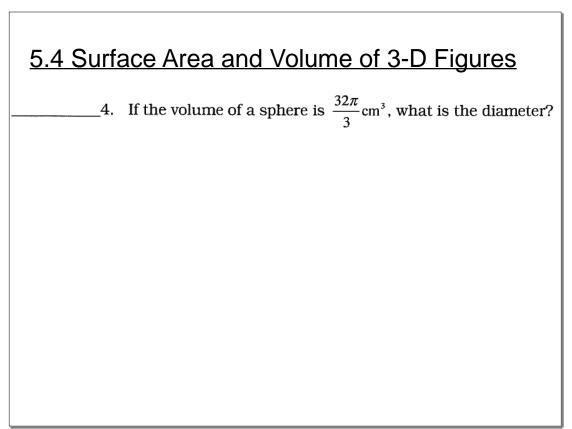




\_2. If the edges of a cube add up to 36 m, what is the volume?

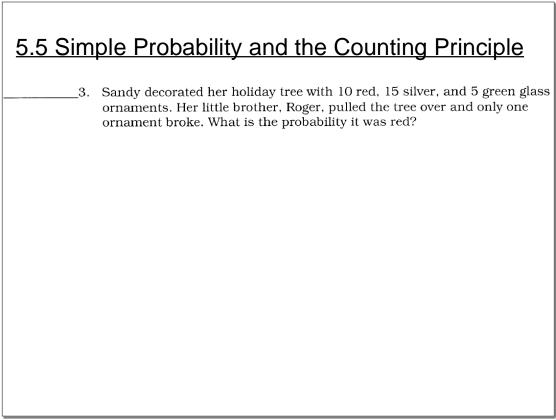


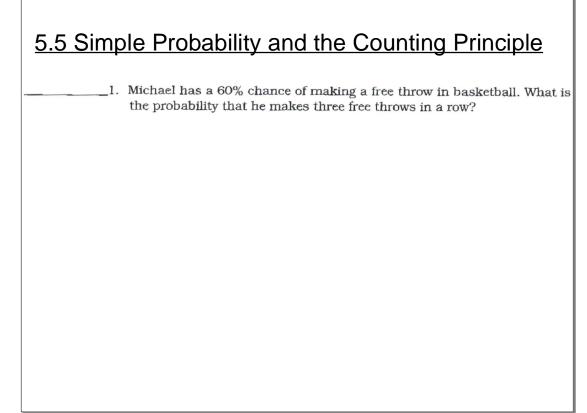




# 5.5 Simple Probability and the Counting Principle

10. Marcus made the basket 16 times and missed the basket 9 times in the basketball game. What is the probability that he will make the basket on his next try?



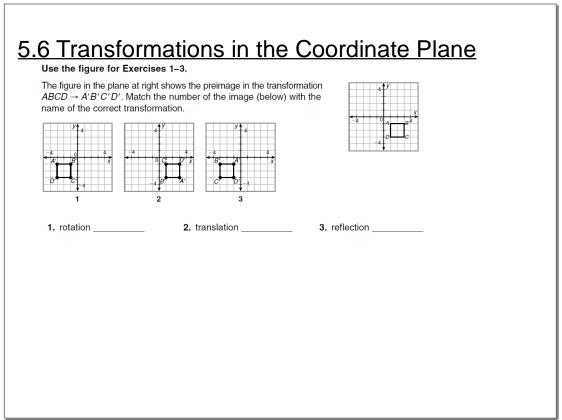


# 5.5 Simple Probability and the Counting Principle

1) There are 6 people in a race. In how many ways can they finish first, second or third ?

# 5.5 Simple Probability and the Counting Principle a. In Canada, postal codes consist of 6 characters -- three letters and three digits. Each postal code starts with a letter and alternates with a digit. a. How many postal codes are there? b. How many start with the letter S? c. How many start with the letter S and end in the digit 8? d. How many start with the letter S, digit 6 and NO letter or digit is repeated ?

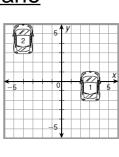
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# 5.6 Transformations in the Coordinate Plane

## Use the figure for Exercise 6.

6. A parking garage attendant will make the most money when the maximum number of cars fits in the parking garage. To fit one more car in, the attendant moves a car from position 1 to position 2. Write a rule for this translation.

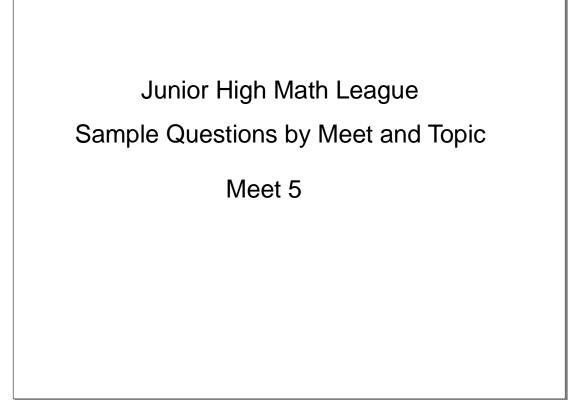


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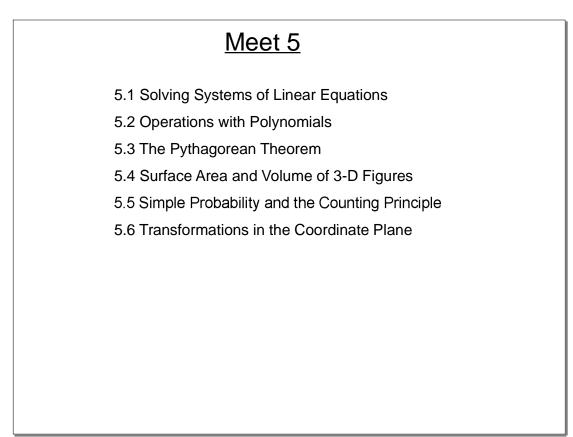
## 5.6 Transformations in the Coordinate Plane

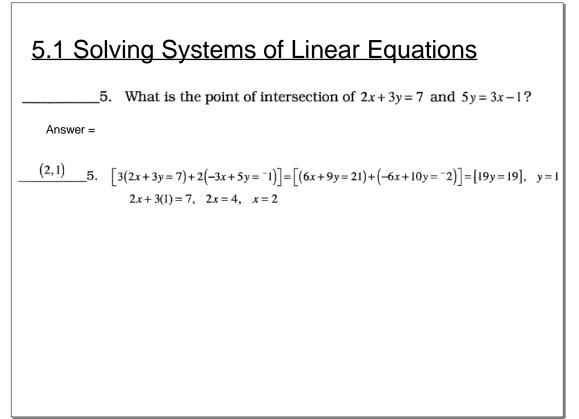
**7.** A figure has vertices at X(-1, 1), Y(-2, 3), and Z(0, 4). Draw the image of XYZ after the translation  $(x, y) \rightarrow (x, y - 2)$  and a 180° rotation around X.

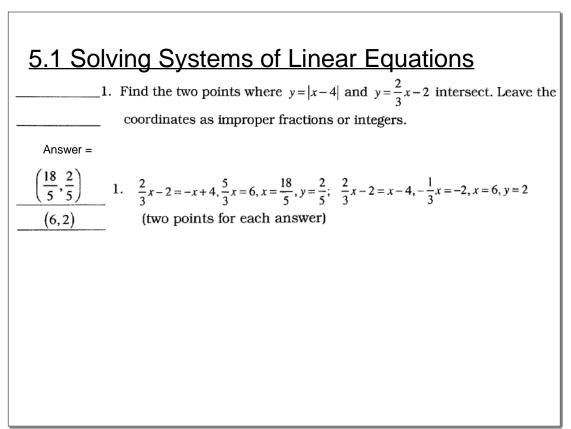
	5 <b>*</b> <i>Y</i>	
-5	0	5
	-5	

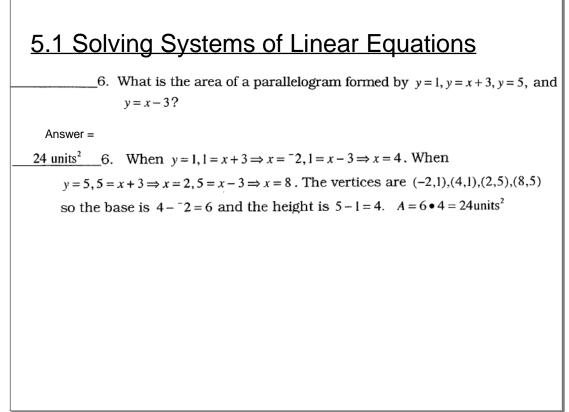


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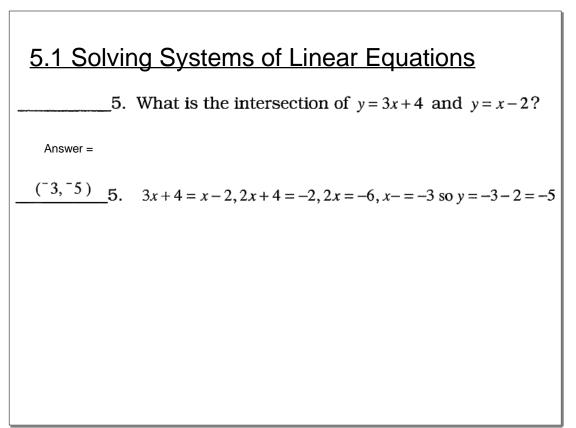


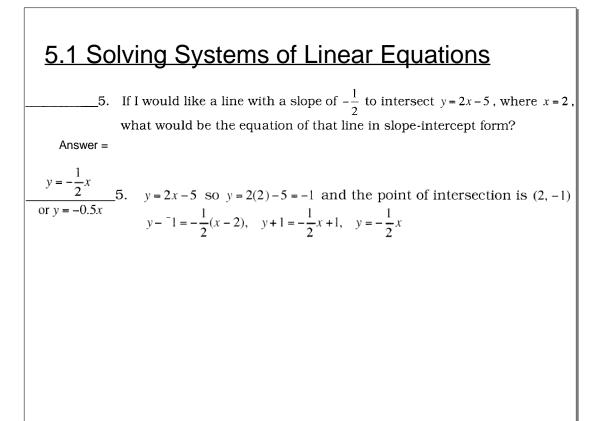




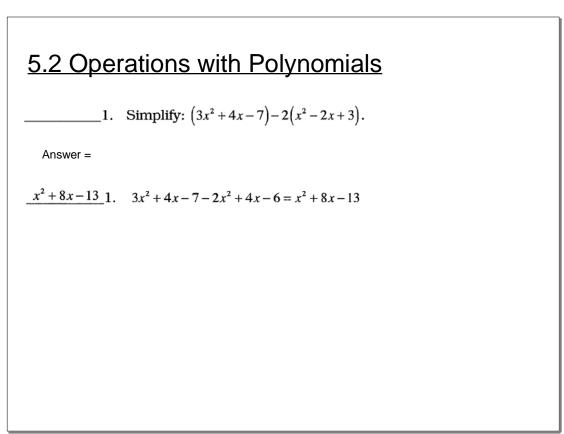


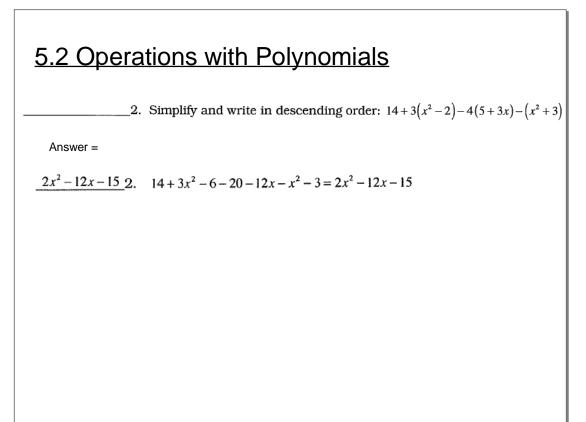
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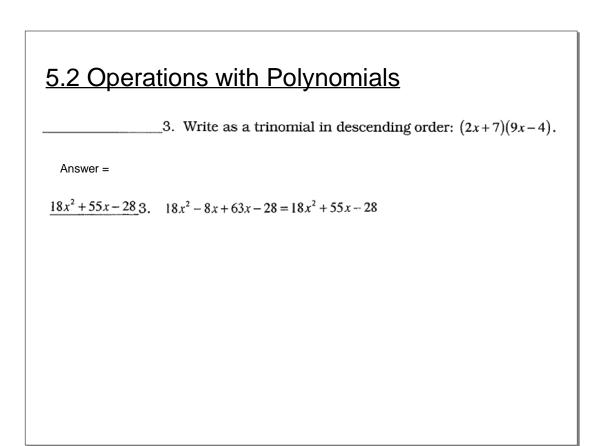


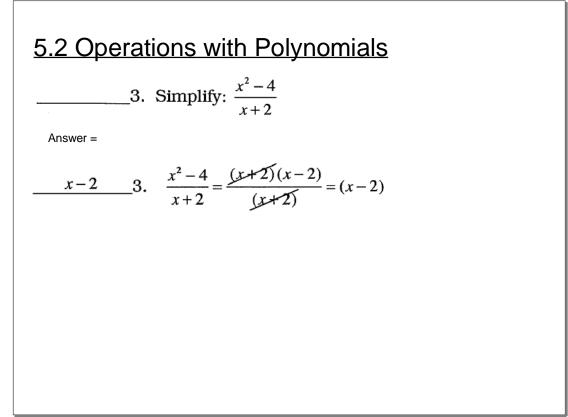


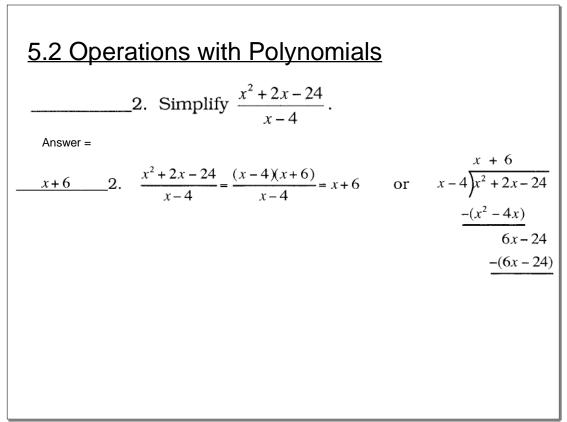
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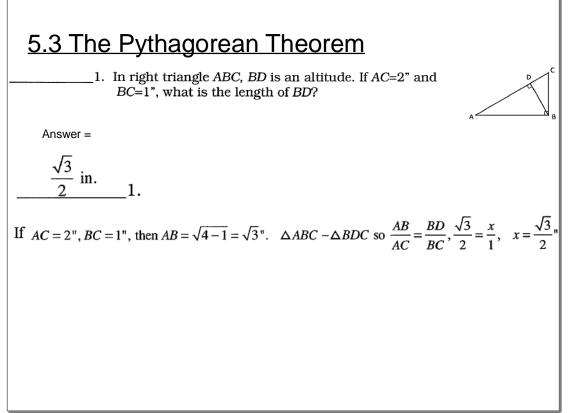


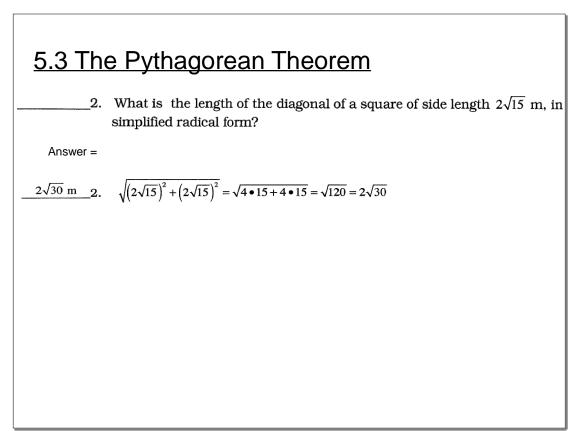


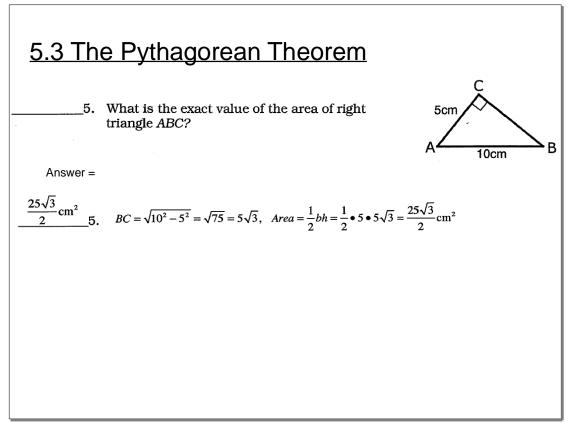




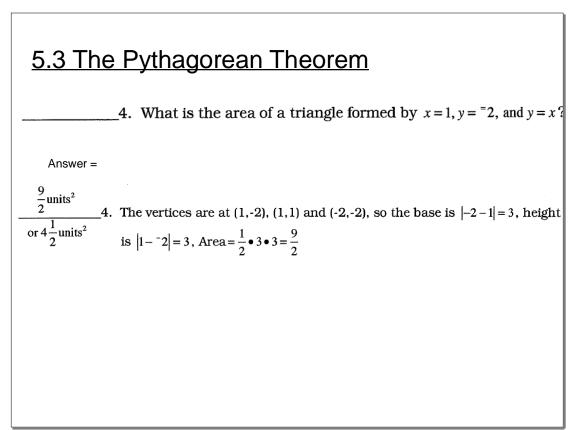


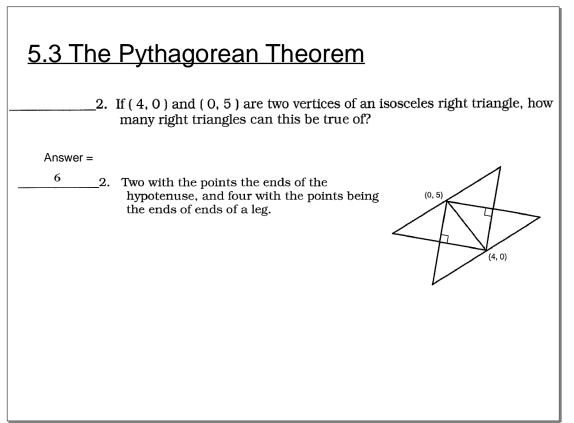




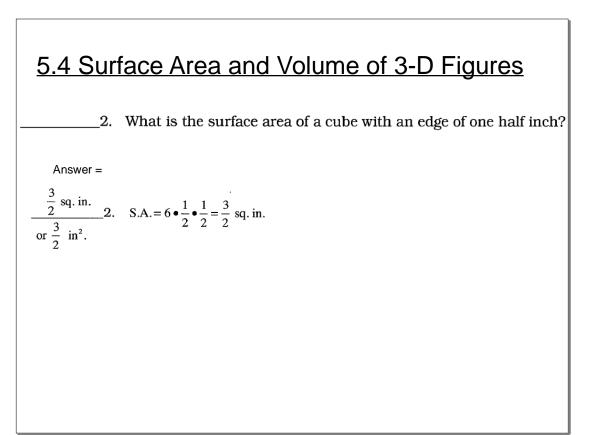


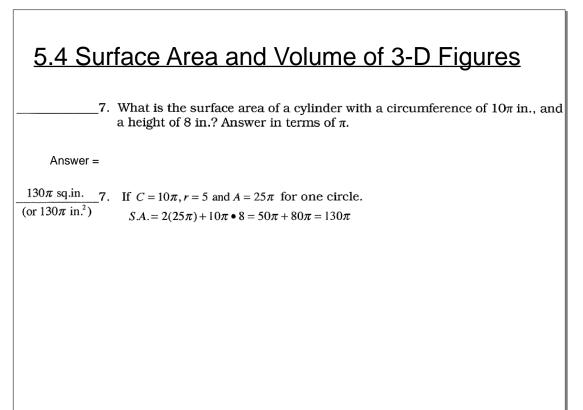
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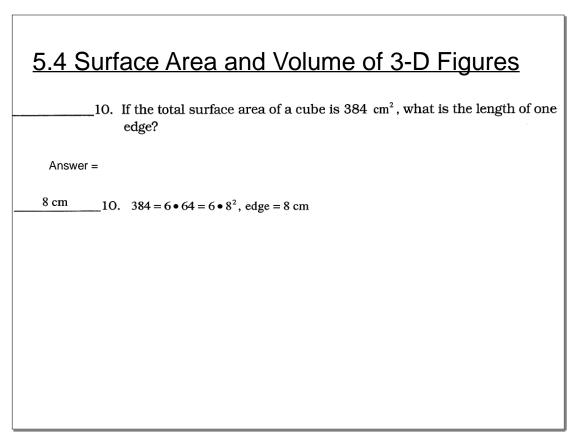


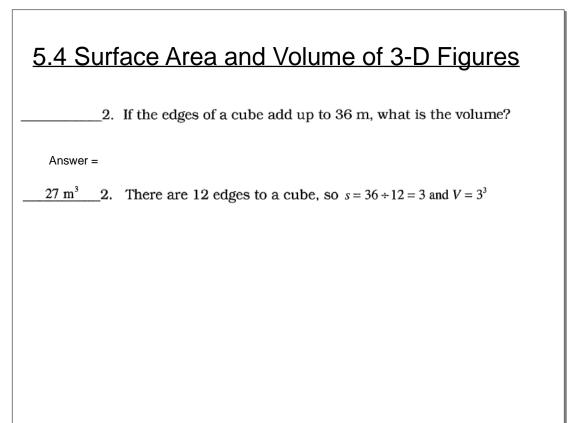


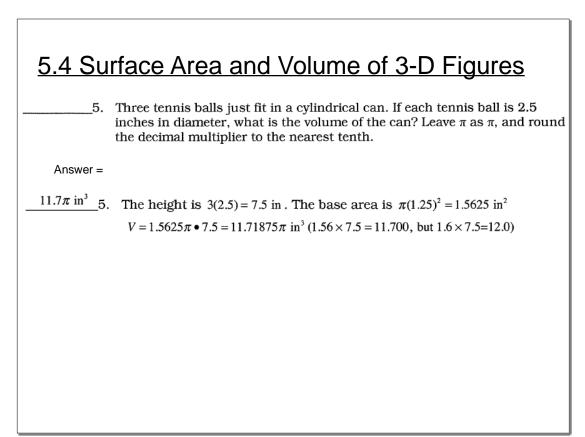
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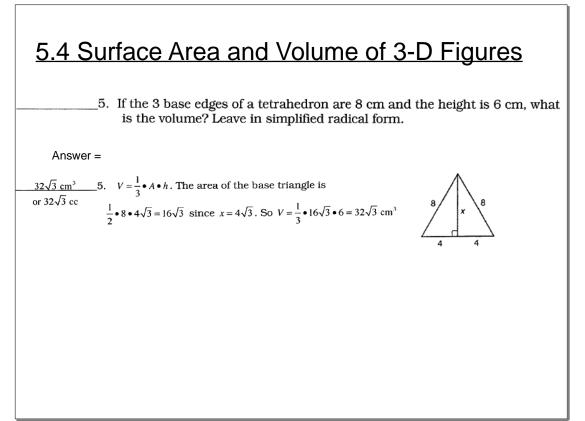




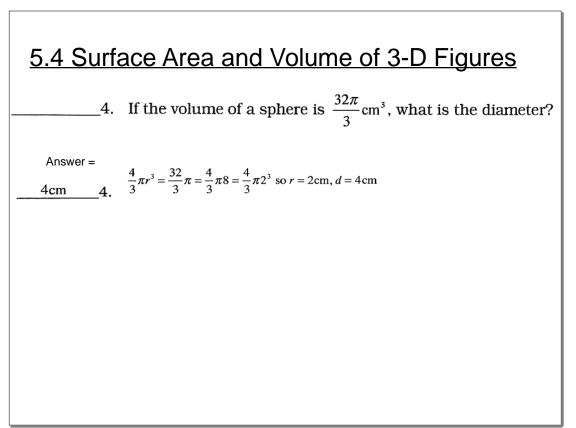


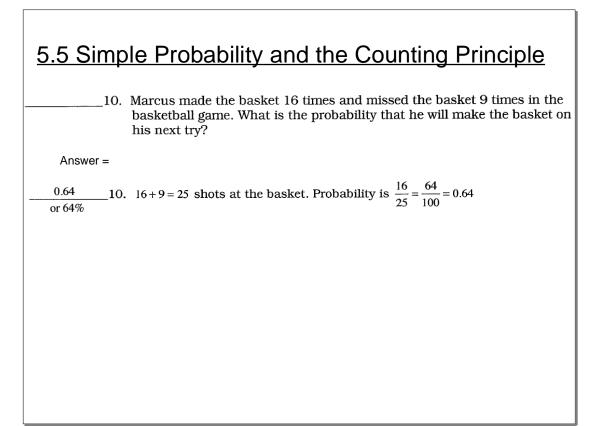


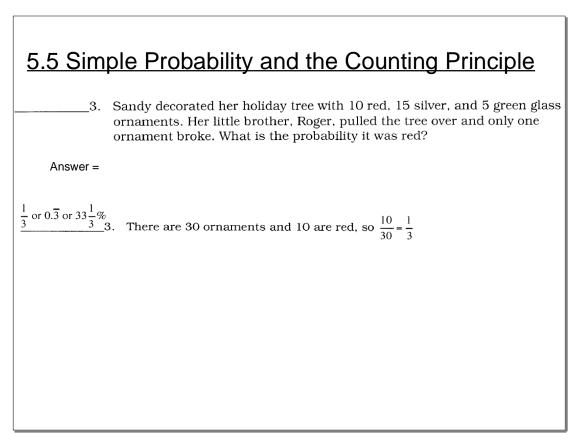


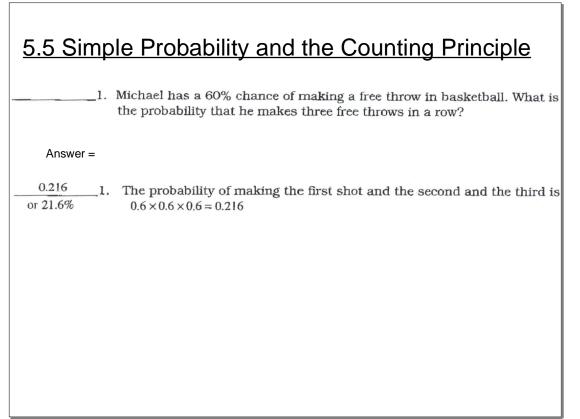


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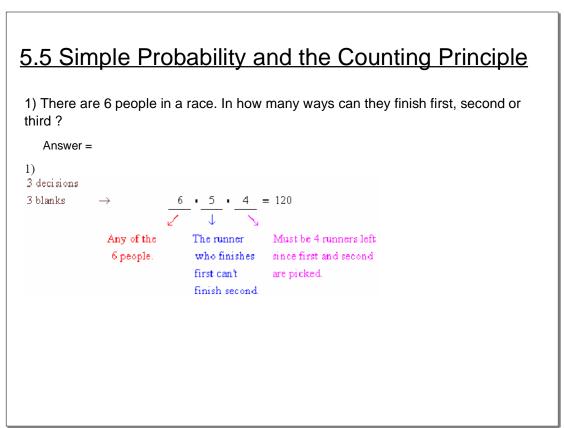


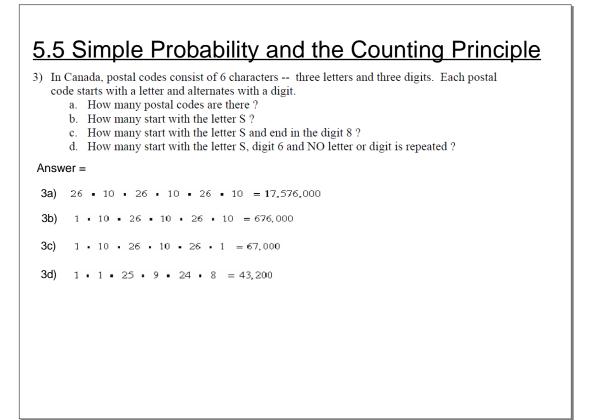




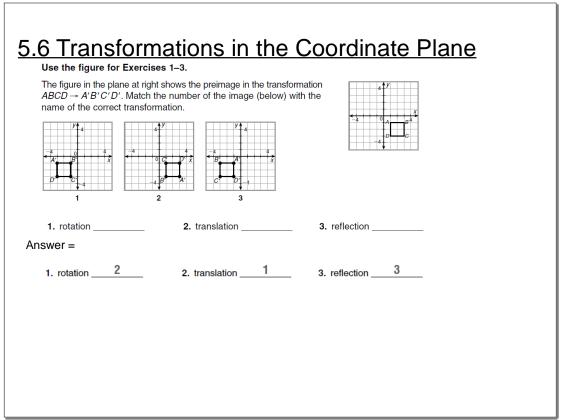


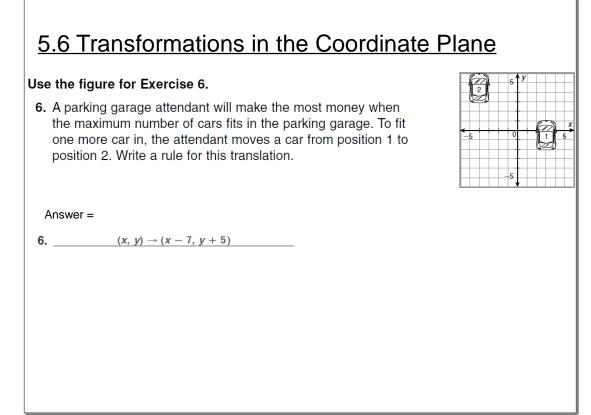
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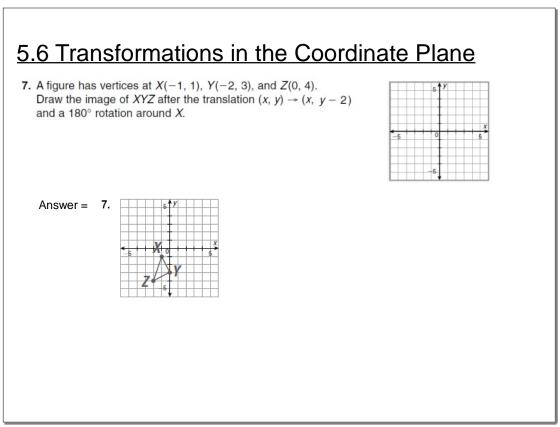


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