



	Small	Large
Pattern	8	6
Solid	7	7
hat is the p	probability	that a rando

3 Given:			
$(x^2 - y^2) = (x + y)(x - y)$			
Select the choice from each box that correctly completes the sent	ence.		
To determine the value of $(52)(48)$ using the given equation, let x equal		and y equal	01
			02
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Problem!!!	O 48		08
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Calculator			
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o Z			

4 A survey asked 410 students whether they would eat food served in the school cafeteria. The results are recorded in the table shown.

Grade	Yes	No	
9th	67	33	
10th	63	47	
11th	32	68	
12th	12	88	

What is the probability that a student will **not** eat food served in the cafeteria, given that the student is in 10th grade?

Multiply the following polynomials.

$$(x-7)(3x^2+8)$$

No Calculator Problem!!!!

Simplify the expression $(3x^4 + 9x^3 - 7x + 15) + (-6x^4 - 8x^2 + 5x - 3)$.

A bag contains 60 marbles. Eighteen of the marbles are clear, the rest are opaque. Half of the marbles are cracked.

Part A) If you select one marble at random, what is the probability it is clear or cracked?

Part B) If you select two marbles at random, what is the probability that both are opaque?

7 Fannie is making a rectangular blanket. The length of the blanket is 10 inches greater than its width, w, in inches.

Write the function, f(w), that describes the area, in square inches, of Fannie's blanket as a function of the width, w.