

Today is 11/8/17
Get out Note Packet & Calculator
Goal: Review for test

Agenda: My Favorite no Brain Teaser Go Over HW p. 27&28 Review Sheet	HW: finish p. 27 & 28 Test Tuesday 11/14 and Wednesday 11/15
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Work on page 27 & 28

What you do not finish is Homework

Find the next three numbers in each pattern. Then find step 10. Describe in words how the pattern is changing. Then write the algebraic expression.

1. In 1 2 3 4 5 6 7 8 ... 10
Out 2 4 6 8 10 12 14 16 ... 20
Describe the pattern. Add 2
Algebraic expression $2x$

2. In 1 2 3 4 5 6 7 8 ... 10
Out 7 14 21 28 35 42 49 56 ... 70
Describe the pattern. Add 7
Algebraic expression $7x$

3.

In	1	2	3	4	5	6	7	8	...	10
Out	2	4	8	16	32	64	128	256	...	512

Describe the pattern. Multiply by 2 each time

Algebraic expression _____

 2^x 

4.

Step	1	2	3	4	5	6	...	10
Result	1	4	9	16	25	36	...	100

Describe the pattern. Square the step

Algebraic Expression _____

x^2

5.

Step	1	2	3	4	5	6	...	10
Result	512	256	128	<u>64</u>	<u>32</u>	<u>16</u>		<u>1</u>

Describe the pattern. Divide by 2

Algebraic Expression

6.

Step	1	2	3	4	5	6	...	10
Result	$\frac{1}{3}$	$\frac{2}{3}$	1	<u>$1\frac{1}{3}$</u>	<u>$1\frac{2}{3}$</u>	<u>2</u>		<u>$3\frac{1}{3}$</u>

Describe the pattern. Add $\frac{1}{3}$

Algebraic Expression $\frac{1}{3}x$