

# Magic Squares

## Algebra

Name \_\_\_\_\_

**A**

$6A+2B$	$7A+9B$	$2A+4B$
$A+7B$		
<b>Total = <math>15A + 15B</math></b>		

**E**

$N+7$		
$N+2$	$N+9$	$N+4$
<b>Total =</b>		

**B**

$14A-3B$		
$12A-4B$	$2A-9B$	$16A-2B$
<b>Total = <math>30A - 15B</math></b>		

**F**

$2N+6$	$7N+1$	$6N+8$
		$8N+4$
<b>Total =</b>		

**C**

$-8A$		
$6A$	$-4A$	
<b>Total = 0</b>		

**G**

$N-3$		
$8N+4$	$4N$	
$3N-1$	$2N-2$	
<b>Total =</b>		

**D**

		$6B-6A$
$6A-6B$	$4B-4A$	$2B-2A$
<b>Total =</b>		

**H**

		$9-3N$
	$10-2N$	
$11-N$	$12$	
<b>Total =</b>		

# Magic Squares

## Algebra Answers

**A**

$6A+2B$	$7A+9B$	$2A+4B$
$A+7B$	$5A+5B$	$9A+3B$
$8A+6B$	$3A+B$	$4A+8B$
<b>Total = <math>15A + 15B</math></b>		

**E**

$N+6$	$N+1$	$N+8$
$N+7$	$N+5$	$N+3$
$N+2$	$N+9$	$N+4$
<b>Total = <math>3N + 15</math></b>		

**B**

$4A-8B$	$18A-B$	$8A-6B$
$14A-3B$	$10A-5B$	$6A-7B$
$12A-4B$	$2A-9B$	$16A-2B$
<b>Total = <math>30A - 15B</math></b>		

**F**

$2N+6$	$7N+1$	$6N+8$
$9N+7$	$5N+5$	$N+3$
$4N+2$	$3N+9$	$8N+4$
<b>Total = <math>15N + 15</math></b>		

**C**

$2A$	$4A$	$-6A$
$-8A$	$0$	$8A$
$6A$	$-4A$	$-2A$
<b>Total = <math>0</math></b>		

**G**

$N-3$	$6N+2$	$5N+1$
$8N+4$	$4N$	$-4$
$3N-1$	$2N-2$	$7N+3$
<b>Total = <math>12N</math></b>		

**D**

$2A-2B$	$4A-4B$	$6B-6A$
$8B-8A$	$0$	$8A-8B$
$6A-6B$	$4B-4A$	$2B-2A$
<b>Total = <math>0</math></b>		

**H**

$13+N$	$8-4N$	$9-3N$
$6-6N$	$10-2N$	$14+2N$
$11-N$	$12$	$7-5N$
<b>Total = <math>30 - 6N</math></b>		