

# Mathematics Contest of New Jersey - 2019

## Middle School Students ANSWER KEY:

### Non-Calculator Section.

<b>1</b>	3 packages of pens 10 packages of calendars 5 packages of journals	<b>8</b>	$y = \frac{1}{2}x - 3$
<b>2</b>	$\frac{3}{5}$ miles	<b>9</b>	A
<b>3</b>	D	<b>10</b>	3
<b>4</b>	-1.6 OR $-\frac{8}{5}$ or $-1\frac{3}{5}$	<b>11</b>	A
<b>5</b>	$x < -3$ (open circle at $x = -3$ , shaded to the left of $-3$ )	<b>12</b>	C
<b>6</b>	3	<b>13</b>	C
<b>7</b>	(3,4), (6,8), (9,12)	<b>14</b>	$138^0$

### Calculator Section.

<b>15</b>	\$332.25	<b>20</b>	Latisha, 55%
<b>16</b>	97	<b>21</b>	B
<b>17</b>	B	<b>22</b>	B
<b>18</b>	88	<b>23</b>	D
<b>19</b>	A	<b>24</b>	D