

VARIABLES: ALGEBRAIC EXPRESSIONS IV (E-1)  
**SOLUTIONS**

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<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
$4x + 8y + 4z$	$4y + 6z$	$2x + 2y$	$2x + 12y$
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
$7x + z$	$3x + 6z$	$6z$	$5x + z$
<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
$9x + 11y$	$0$	$2x + 6z$	$9x + 10y$
<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
$3z$	$2y + 13z$	$3x + 11z$	$8x + 3z$
<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
$11x + 6y + 3z$	$6x + 3y + z$	$2x + 13y + 5z$	$5x + y + 6z$
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
$z$	$11x + 7y$	$15y$	$8x + 6y + z$
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>
$12x + 6y$	$8x + 6y + 5z$	$3x + 5y + z$	$6x + y + 5z$
<b>29</b>	<b>30</b>	<b>31</b>	<b>32</b>
$7y + 9z$	$7x + 5y$	$7x + 10y$	$5x + 6y + 7z$
<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>
$8x + y$	$x + 16y + z$	$9y + z$	$7y + 4z$
<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
$4x + 10z$	$2x + 10y + 6z$	$4x + y + 6z$	$9x + 10y$
<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>
$5y + 10z$	$9x + 6z$	$x + 7y + 5z$	$2x + 2y + 7z$
<b>45</b>	<b>46</b>	<b>47</b>	<b>48</b>
$6x + 10z$	$4x + 16z$	$15y + 5z$	$6x + 5z$
<b>49</b>	<b>50</b>	<b>51</b>	<b>52</b>
$9x + 5y + 5z$	$6y + 9z$	$5x + 4y$	$4x$
<b>53</b>	<b>54</b>	<b>55</b>	<b>56</b>
$10x + 6y$	$7x + 12z$	$7x + 9y$	$7x + 7y$
<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>
$0$	$5x + 3y + 7z$	$5x + 5z$	$7y + 12z$
<b>61</b>	<b>62</b>	<b>63</b>	<b>64</b>
$13x + 7y$	$x + 7y + 5z$	$x + 8y$	$5x + 6y$
<b>65</b>	<b>66</b>	<b>67</b>	<b>68</b>
$3y + 7z$	$10x + 7y + 2z$	$7y + 2z$	$7y + 10z$