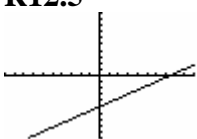
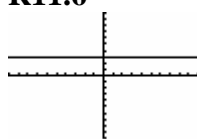

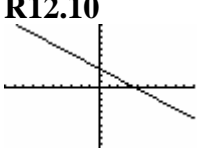
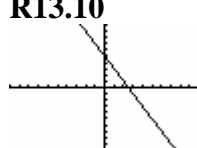
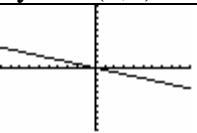
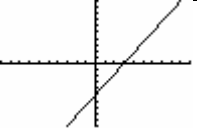
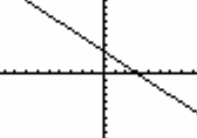
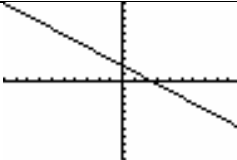
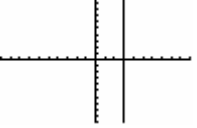
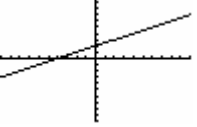
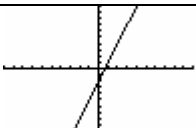


<b>Unit 2 Review Problem Answers</b>			
<b>R6.1</b> $x_{\text{int}}: (4, 0)$ $y_{\text{int}}: (0, -6)$	<b>R11.1</b> $\frac{1}{2}$	<b>R12.1</b> $\frac{2}{5}$	<b>R13.1</b> $y = x + 2$
<b>R6.2</b> no	<b>R11.2</b> 2	<b>R12.2</b> 2	<b>R13.2</b> $y = \frac{3}{2}x - 4$
<b>R6.3</b> $x_{\text{int}}: (3, 0)$ $y_{\text{int}}: (0, \frac{3}{2})$	<b>R11.3</b> no	<b>R12.3</b> (4, 13)	<b>R13.3</b> $y = 2x - 3$
<b>R6.4</b> no	<b>R11.4</b> 0	<b>R12.4</b> 0	<b>R13.4</b> $y = -x$
<b>R6.5</b> $x_{\text{int}}: (12, 0)$ $y_{\text{int}}: (0, -4)$	<b>R11.5</b> $\frac{1}{2}$	<b>R12.5</b> 	<b>R13.5</b> (2, 0) or (-2, 2)
<b>R6.6</b> $x = 2$	<b>R11.6</b> 	<b>R12.6</b> $\frac{1}{2}$	<b>R13.6</b> $y = -2x + 11$
<b>R6.7</b> yes	<b>R11.7</b> $x_{\text{int}}: (6, 0)$ $y_{\text{int}}: (0, 3)$	<b>R12.7</b> $\frac{1}{2}$	<b>R13.7</b> $y = \frac{1}{2}x$
<b>R6.8</b> no	<b>R11.8</b> undefined	<b>R12.8</b> $\frac{1}{3}$	<b>R13.8</b> $y = -2x - 2$
<b>R6.9</b> $x_{\text{int}}: (-6, 0)$ $y_{\text{int}}: (0, 3)$	<b>R11.9</b> $\frac{1}{2}$	<b>R12.9</b> undefined	<b>R13.9</b> $x = -6$
<b>R6.10</b> no	<b>R11.10</b> 	<b>R12.10</b> 	<b>R13.10</b> 
<b>R6.11</b> $x_{\text{int}}: (4, 0)$ $y_{\text{int}}: (0, -2)$			

<b>Unit 2 Section 15</b>	<b>Unit 2 Section 16 cont.</b>
<b>Review</b>	A44: 12, 40
R15.1: No	A45: \$2 for students, \$6 for adults
R15.2: -19	A46: 8, 20
R15.3: (0, 2)	A47: 2, 21
R15.4: $\left(\frac{32}{15}, \frac{14}{15}\right)$	A48: 8, 20
R15.5: $\frac{-6x + 2}{17}$	A49: 270mi x 380mi
R15.6: No	A50: \$3 for students, \$5 for adults
<b>Unit 2 Section 16</b>	A51: 66m x 134m
A40: 16, 21	A52: 214, 226
A41: 14 tens	A53: 6, 18
A42: 9ft x 12ft	A54: 8 twenties
A43: 7, 21	

## Test 2 Review Answers

<b>17.1</b> no	<b>17.18</b> 0	<b>17.37</b> (2, -3)
<b>17.2</b> x-int: (8,0) y-int: (0,2)	<b>17.19</b> 4	<b>17.38</b> $y = -4x + 3$
<b>17.3</b> 	<b>17.20</b> undefined	<b>17.39</b> $\left(\frac{19}{9}, \frac{4}{9}\right)$
	<b>17.21</b> 0	
<b>17.4</b> 	<b>17.22</b> (3,4)	<b>17.40</b> 0
	<b>17.23</b> 12 ft., 9 ft.	
<b>17.5</b> 	<b>17.24</b> -1	<b>17.41</b> $y = \frac{5}{8}x - \frac{7}{2}$
<b>17.6</b> $m = \frac{E}{c^2}$	<b>17.25</b> $y = -2x + 13$	<b>17.42</b> $y = -x$
<b>17.7</b> $y = -\frac{3}{2}x + 6$		<b>17.43</b> $y = 3x - 7$
		<b>17.44</b> 2 and 21
<b>17.8</b> no	<b>17.26</b>	<b>17.45</b> $y = x + 1$
<b>17.9</b> x-int: (-4,0) y-int: $\left(0, \frac{8}{3}\right)$	<b>17.27</b> (4,8)	<b>17.46</b> (3, 3)
		<b>17.28</b> $x \geq \frac{10}{43}$
<b>17.10</b> 	<b>17.29</b> $\frac{1}{2}$	<b>17.47</b> 2
<b>17.11</b> x-int: (-6,0) y-int: (0,3)	<b>17.30</b> $\frac{1}{9a^6}$	<b>17.48</b> 8 and 20
<b>17.12</b> no 	<b>17.31</b> 7 and 21	<b>17.49</b> $\left(\frac{7}{4}, \frac{-1}{4}\right)$
	<b>17.32</b> $x=2$	<b>17.50</b> (4, 4)
<b>17.13</b>	<b>17.33</b> no	
<b>17.14</b> no	<b>17.34</b> $y = -7x + 32$	<b>17.51</b> $\left(\frac{5}{3}, \frac{-10}{3}\right)$
<b>17.15</b> $r = \frac{C}{2\pi}$	<b>17.35</b> 400 students, 1600 adults	<b>17.52</b> $\frac{1}{2}$
<b>17.16</b> x-int: (6,0) y-int: (0,-2)		<b>17.53</b> $x > -7$
<b>17.17</b> $y = \frac{3}{2}x - \frac{7}{2}$		<b>17.54</b> $\left(\frac{6}{5}, \frac{7}{5}\right)$

