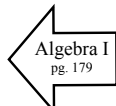
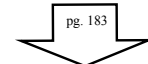


|                |                   |  |   |
|----------------|-------------------|--|---|
| 4) 55%         | 24) 33.8          |  Algebra I<br>pg. 179 |  pg. 183 |
| 6) 51          | 25) 150           |  |   |
| 8) 21          | 36) 395           |  |   |
| 10) 44%        | 1880              |  |   |
| 12) 27         | 20%               |  |   |
| 14) 176.3      | 37) 59.3%         |  |   |
| 16) 210        | 16.5%             |  | 2) 40% increase   |
| 18) 137.5      | 13.2%             |  | 4) 35% decrease   |
| 19) B          | 11%               |  | 6) 67% increase   |
| 20) Switch the | 39) a: \$48       |  | 8) 140.4  |
| 95 and 19      | b: \$66.25        |  | 10) 10.8  |
| in step 1.     | c: The \$240 bike |  | 12) 12% decrease  |
| 21) Should be  | (see notes)       |  | 14) \$12,325  |
| 0.765          |                   |  |   |

|  |   |
|--|---|
| 4) $\frac{x(120)}{120} = \frac{66}{120}$<br>$x = .55$<br><span style="border: 1px solid black; padding: 2px;">55%</span> | 8) $200\% \rightarrow 2$<br>$\frac{42}{2} = \frac{2x}{2}$<br>$21 = x$<br><span style="border: 1px solid black; padding: 2px;">{21}</span> |
| 16) $\frac{189}{.9} = \frac{.9x}{.9}$<br>$210 = x$<br><span style="border: 1px solid black; padding: 2px;">{210}</span>  | 19) $x = 87.5\% \cdot 500$<br>$x = .875(500)$<br>$x = 437.5$  |

|   |   |
|---|---|
| 18) $\frac{71.5}{.52} = \frac{(.52)x}{.52}$<br>$137.5 = x$<br><span style="border: 1px solid black; padding: 2px;">{137.5}</span> | 24) $x = .52(27+15)$<br>$x = .52(42)$<br>$x = .52(69)$<br>$x = 33.8$  |
| 21) $\frac{153}{.765} = \frac{.765x}{.765}$<br>$200 = x$<br><span style="border: 1px solid black; padding: 2px;">{200}</span>     | 25) $25.5 = (n-8)\% \cdot x$<br>$25.5 = (25-8)\% \cdot x$<br>$\frac{25.5}{.17} = \frac{.17x}{.17}$<br>$150 = x$ |

2) Original: 35  
New: 49

$$\frac{\text{change}}{\text{original}} = \frac{14}{35} = .4$$
40%

12) 1998: \$24  
2003: \$21.12

$$\frac{2.88}{24} = .12$$

12% decrease