

# Practice 2.11, page 186

- (a) \$172.90 (b) \$462.18  
(c) \$1208.33 (d) \$147.90  
(e)

| X    | Y <sub>1</sub> | Y <sub>2</sub> |
|------|----------------|----------------|
| 1.00 | -46.38         | -126.5         |
| 2.00 | -44.16         | -128.7         |
| 3.00 | -41.91         | -131.0         |
| 4.00 | -39.62         | -133.3         |
| 5.00 | -37.28         | -135.6         |
| 6.00 | -34.91         | -138.0         |
| 7.00 | -32.49         | -140.4         |

$\Sigma X = 7$

| X    | Y <sub>2</sub> | Y <sub>3</sub> |
|------|----------------|----------------|
| 1.00 | -126.5         | 2523.5         |
| 2.00 | -128.7         | 2394.7         |
| 3.00 | -131.0         | 2263.7         |
| 4.00 | -133.3         | 2130.5         |
| 5.00 | -135.6         | 1994.8         |
| 6.00 | -138.0         | 1856.8         |
| 7.00 | -140.4         | 1716.4         |

$\Sigma Y_3 = 1716.44689$

| X     | Y <sub>2</sub> | Y <sub>3</sub> |
|-------|----------------|----------------|
| 12.00 | -153.1         | 976.69         |
| 13.00 | -155.8         | 820.89         |
| 14.00 | -158.5         | 662.38         |
| 15.00 | -161.3         | 501.04         |
| 16.00 | -164.1         | 336.91         |
| 17.00 | -167.0         | 169.91         |
| 18.00 | -169.9         | 0.00           |

$\Sigma Y_3 = -.0199$