

5-86. See below:

- a. geometric, multiply by 12
- b. arithmetic, add 5
- c. other (quadratic)
- d. geometric, multiply by 1.5

5-87. See below:

- a. $-3, 6, -12, 24, -48$
- b. $8, 3, -2, -7, -12$
- c. $2, \frac{1}{2}, 2, \frac{1}{2}, 2$

5-88. $4x - 5^\circ = 2x + 9^\circ$; $x = 7^\circ$

5-89. 7 cm

5-90. See below:

- a. $8m^5$
- b. $2y^3$
- c. $\frac{-2}{3y^5}$
- d. $-8x^6$

5-91. See below: 

- a. $y = 2x - 3$
- b. $y = -3x - 1$
- c. $y = \frac{2}{3}x - 2$
- d. $y \approx \frac{5}{2}x + 9$