

5-22 See below:

a. $(-1, -2)$

b. $(3, 1)$

5-23. See below:

a. $b = t - an$

b. $y = 3(b + a)$

c. $y = mx$

d. $x = \frac{y}{m}$

5-24. See below:

a. $2xy^2$

b. $-m^3n^3$

c. $\frac{1}{m^3n^3}$

d. 4×10^{-6}

5-25. See below:

- a. domain: all numbers, range: $y \leq 1$
- b. domain: all numbers, range: $y \geq -1$
- c. domain: all numbers, range: $y \leq 0$
- d. domain: all numbers, range: $y \geq -1$

5-26. There is no association between number of pets and age.

5-27. See below:

- a. $y = -\frac{5}{2}x + 10$
- b. 12.5 inches