**Answers to Ch.3 Review – Integrated 1**

1. A
2. B
3. D
4. D
5. B
6. D
7. a. 35s + 20p = 150

b. 35s + 20p = 150

s = 3

35(3) + 20p = 150

P = 2.25 Holly can only buy 2 sweaters.

c. 35s + 20p = 150

 35s + 20(0) = 150

 35s = 150

 S = 4.29

 If Holly buys no pants, the most she can buy is 4 sweaters.

1. r = C/2π
2. x + 4y = 12
3. y = -2/3x + 3
4. a. t(x) = 0.75(x – 5)

b. t(80) = 0.75(80 – 5)

 t(80) = 56.25

 Harland would earn $56.25 if he distributed 80 tomatoes.

c. c(x) = .6(x – 3)

d. No Harland is not correct. The two x’s represent different values.

12. (0,-6)

13. (-7,0)

14. 5x – 6y = 6

15. y = -3/2x – 4