**Chapter 6 Quiz Practice Answers**

**Solve each equation. Check your solution.**

**1.** *t* + 4 = 6

t = 2

**2.** *k* –2 = 4

k=6

**3.** –4 = *r* – 7

r = 3

**4.** *y* + 9 = 36

y= 27

**5.** 4*x* = –12

x= -3

**6.** 20x = 45

**7.** 3.1*d* = 12.4

d= 4

**8.** = –20

x= -26

**9.** 3*y* + 8 = 14

y= 2

**10.** 3*m* – 5 = 16

m= 7

**~~12.~~** ~~3~~*~~x~~* ~~– 6 =~~ *~~x~~* ~~+ 12~~

x= 2.25

**13. PLUMBER** Carl, a plumber, charges $20 per hour plus $50 for making an in–home visit. The Plumbing Service charges $45 per hour but no set fee for a visit. How many hours of plumbing work are needed for each to cost the same?

2 hours

**14. BROWNIES** Lauren brings brownies to class one day. She gives of them to her friends Gareth, Tammy, and Camilla. If she gave them 18 brownies, how many did she bring to class?

b = 18 b = 30 brownies