**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.** $\frac{3}{4}x$= –20

 x= -26 $\frac{2}{3}$

 **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 $\frac{3}{5}$ of them to her friends Gareth, Tammy, and Camilla. If she gave them 18 brownies, how many did she bring to class?

 $\frac{3}{5}$ b = 18 b = 30 brownies