

Chapter 1 Quiz Review

Name _____

Solve.

1. $2x+8=15-5x$

2. $2(x-3)-4=8+5x$

3. $\frac{1}{3}x-5=-2$

4. $\frac{5}{2}x+\frac{3}{4}=\frac{3}{8}-\frac{1}{2}x$

5. $|x-4|=9$

6. $|8x+10|=-21$

7. $|2x+2|-1=6$

Solve the quadratic equation by factoring.

8. $x^2-4x-77=0$

9. $3x^2+20=32x$

Solve the quadratic equation using square roots.

10. $3(x+1)^2-36=0$

11. $(x-4)^2+4=3$

Solve the quadratic equation using the quadratic formula.

12. $x^2 + 3x = 16$

13. $2x^2 + 8 = -3x$

Solve the quadratic equation using any method.

14. $-4x^2 - 15x = 28$

15. $3x^2 - 84 = 0$

16. $6x^2 + 10x = 44$

17. $2(x-6)^2 = 8$

Application Problems on pg. 107 #94 & 96