Module 7 Lesson 1 Assignment   Name:_____

Solve each equation by taking the square root of each side. Round to the nearest tenth if necessary.

1) $b^2 - 4b + 4 = 16$

2) $g^2 - 8g + 16 = 2$

Find the value of c that makes each trinomial a perfect square.

3) $s^2 - 16s + c$

4) $p^2 - 7p + c$

Solve each equation by completing the square. Round to the nearest tenth if necessary.

5) $s^2 - 4s - 12 = 0$

6) $d^2 + 20d + 11 = 200$

7) $x^2 + 4x + 3 = 0$

8) $9r^2 - 42r = -49$

9) $5x^2 - 10x = 23$

10) $d^2 - 8d + 7 = 0$

11) $4h^2 - 20h + 25 = 0$

12) $9w^2 - 12w - 1 = 0$