REVIEW Ditto #2 Solving Quadratic Equations Quiz

1) 2x2 – 128=0 2) (a – 25)2 = 9

Solve by completing the square.

3) x2 – 4x – 77 = 0 4) 2x2 -12x + 14 = 0

5) c2 – 10c – 20 = 0

Solve by using the quadratic formula

6) 5z2 = -2 – 11z

7) -3 – 10y2 – y = 0

9) Give the value of the discriminant of 2x2 – 3x – 2 =0

How many and what type of roots does the equation have?

10)How many real roots does the equation x2 + 2x + 5 =0 have?

Solve by any method.

11) $\frac{4x-3}{2x-3}=\frac{5x-3}{x+1}$

12) 9(x – 4)2 + 4 (x – 4) = 0

13) (3x – 5)2 = (8x + 3)2

14) y – 2 = $\frac{3y-2}{2y}$

15) $\sqrt{3r+1}$= 2r – 6