



Week 8 Distance Learning Worksheet – Cardoza (SHOW ALL WORK FOR FULL CREDIT)

What Do Elephants Take When They Go Away On A Long Trip?

Write the letter of each answer in the box containing the exercise number.

Determine the number of real solutions of the equation.

1. $6x^2 = 6x - 11$

C. One D. Two E. None

2. $-\frac{1}{3}x^2 + 5x = -12$

T. One U. Two V. None

Find the number of x-intercepts of the graph of the function.

3. $y = -x^2 + 7x + 15$

G. One H. Two I. None

4. $y = 3x^2 - 18x + 27$

S. One T. Two U. None

Solve the equation using the Quadratic Formula. Round your solutions to the nearest tenth, if necessary.

5. $x^2 - 9x + 20 = 0$

6. $x^2 + 6x + 5 = 0$

7. $x^2 - 12x + 32 = 0$

8. $3x^2 - 5x + 2 = 0$

9. $1 - 10x = -25x^2$

10. $x^2 + 4x = 7$

11. $8x^2 - 9 = -3x$

Answers

T. -5, -1

R. $\frac{1}{5}$

K. $\frac{2}{3}, 1$

T. 4, 5

I. 0.9, -1.3

N. -5.3, 1.3

R. 4, 8

6	3	1	11	7		5	9	2	10	8	4
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