Trig

Review Ch. 4

Quiz 4.3-4.4 today

MCTest is Wed (1/2)-2Thurs. (1/2)

Determine whether each number is a root of $a^3 - 3a^2 - 3a - 4 = 0$. Explain.

11.0

12.4

13. -2

Find the discriminant of each equation and describe the nature of the roots of the equation. Then solve the equation by using the Quadratic Formula.

16.
$$2x^2 - 7x - 4 = 0$$

Use the Remainder Theorem to find the remainder for each division. State whether the binomial is a factor of the polynomial.

22.
$$(x^3 - x^2 - 10x - 8) \div (x + 2)$$

List the possible rational roots of each equation. Then determine the rational roots. ±1,52 (2,0

26.
$$x^3 - 2x^2 - x + 2 = 0$$

$$\frac{1}{1-2-1} = \frac{1}{3-2} = \frac{2}{3-2} = \frac{2}{3-2} = \frac{2}{3-3} = \frac{$$

Find the number of possible positive real zeros and the number of possible negative real zeros for each function. Then determine the rational zeros.

34.
$$f(x) = x^3 - x^2 + 34x - 56$$

$$\frac{\sqrt{2}+4}{\sqrt{2}-9}$$

$$\frac{\sqrt{2}-9}{\sqrt{2}-36} \pm 3\sqrt{3} - 3$$

$$\frac{\sqrt{2}-9}{\sqrt{2}-36} \times \sqrt{4-5} \times \sqrt{2}-36 = 0$$

$$\frac{\sqrt{2}-9}{\sqrt{2}-9} \times \sqrt{2}-36 = 0$$

$$\frac{\sqrt{2}-9}{\sqrt{2}-9} \times \sqrt{2}-9 = 0$$