Math II

Name_____ ID: 1

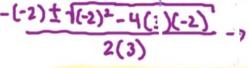
Quadratic Formula Practice

Date Period

Solve each equation with the quadratic formula.

1)
$$3x^2 - 2x - 2 = 0$$
 A=3 B=-2 C=-2

2)
$$-3n^2 - n + 1 = 0$$
 A = -3 B = -1 C = \



X≈-1.21 XX0.55

3)
$$-2x^2 + x + 5 = 0$$
 A = -2 B = 1 C = 5

$$\frac{-(3)\pm 1(3)^{2}-4(-1)(4)}{2(-1)} \rightarrow \frac{-3\pm 125}{-2} \rightarrow \frac{-3\pm 5}{-2}$$

x≈1.35 X-1.85

5)
$$-3n^2 - 3n + 4 = 0$$
 A=-3 B=-3 C=4

$$\frac{3+3}{6} = \frac{3-3}{2} = -4$$
6) $-3x^2 + 2x - 3 = 0$ A=-3 B=2 C=-3

$$\frac{-(2) \pm \sqrt{(2)^2 - 4(-3)(-3)}}{2(-3)} \rightarrow \frac{-2 \pm \sqrt{-32}}{-6}$$

X≈-1.76 X≈0.76

No Solotion!

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7)
$$2a^{2}-a-4=0$$
 $A=2$ $B=-1$ $C=-4$

$$-\frac{(-1)^{2}+(-1)^{2}-4(2)(-4)}{2(2)} \xrightarrow{-\frac{12}{33}} \frac{12}{4}$$

$$\frac{12}{33} \xrightarrow{-\frac{12}{33}} \frac{12}{2(-1)} \xrightarrow{-\frac{12}{33}} \xrightarrow{-\frac{12}{33}} \frac{12}{2(-1)} \xrightarrow{-\frac{12}{33}} \frac{12}{2(-1)} \xrightarrow{-$$

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