Section 5.2F

PEMDAS

* J= | X | *

#1 – 10: Solve by using square roots. Leave your answer in simplest radical form.

1) $3x^{2} = 108$ $3x^{2} = 108$ $3x^{2} = 108$ 2) $\frac{3x^2}{3} = 90$ e aroline

X=30 |X|=30 |X=±30

135

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#1-10: Solve by using square roots. Leave your answer in simplest radical form.

3)
$$2x^2 + 5 = 41$$
 Ann α

$$\frac{2x^2 = 36}{2}$$

$$\int x^2 = \sqrt{8}$$

$$|x| = 3\sqrt{8}$$

$$x = \pm 3\sqrt{8}$$

4)
$$-x^{2}-12=-87$$
 (exa +12 -45 | $-x^{2}-45$ | $-x^{2}-4$



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Not all quadratic equations have real number solutions. Solve the following equations to find their real or complex solutions.

3)
$$(2x-35)^{2}+81=0$$
 $-81-81$
 $\sqrt{(2x-35)^{2}}-\sqrt{-81}$
 $\sqrt{(2x-35)^{2}}-\sqrt{-81}$

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Not all quadratic equations have real number solutions. Solve the following equations to find their real or complex solutions.

6)
$$(x+1)^2 - 24 = 75$$

