

Math 1

• Review

Math 2

• Review

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Quiz:

- 6 Questions → # 1-6
- 2 Questions → # 7-11
- 3 Questions → # 12-16
- 1 Question → # 17-22

#1.  $5n^2 + 3 = -90$

$$\frac{5n^2}{5} = \frac{-93}{5}$$

$$\sqrt{n^2} = \sqrt{-18.6}$$

$n = \sqrt{-18.6}$   
→ imaginary

**No Solution**

#2.  $-1-8x^2 = -567$

$$\frac{-8x^2}{-8} = \frac{-560}{-8}$$

$$\sqrt{x^2} = \sqrt{70}$$

**$x = \pm 8.4$**

#7.  $(7k-5)(8k-5) = 0$

$$7k-5 = 0 \quad 8k-5 = 0$$

$$\frac{7k}{7} = \frac{5}{7} \quad \frac{8k}{8} = \frac{5}{8}$$

**$k = \frac{5}{7}$**        **$k = \frac{5}{8}$**

#12.  $p^2 - 10p + 16 = 0$

$p$	$-8$
$p^2$	$-8p$
$-2$	$16$
$-2p$	

II+III = -10  
I·IV = 16

**$(p-8)(p-2) = 0$**

$p-8 = 0$        $p-2 = 0$

$$\frac{+8}{+8} \quad \frac{+2}{+2}$$

**$p = 8$**        **$p = 2$**

#18.  $v^2 + 3v - 47 = -7$

$$v^2 + 3v - 40 = 0$$

$v$	$-5$
$v^2$	$-5v$
$+8$	$+8v$
	$-40$

II+III = 3  
I·IV = -40

**$(v-5)(v+8) = 0$**

$v-5 = 0$        $v+8 = 0$

$$\frac{+5}{+5} \quad \frac{-8}{-8}$$

**$v = 5$**        **$v = -8$**