

Warm-up 4/4/17

1. $(8)^2 = 64$

2. $(-8)^2 = 64$

$$x^2 = 64$$

$$x = \pm 8$$

Pg. 1004

1

$$t = h^2$$

$$t = 440^2 = 193,600$$

2-3

$$75 = h^2$$

$$\sqrt{75} = h$$

Pg. 1005-1007

$$\sqrt{64} < \sqrt{75} < \sqrt{81}$$

$$8 < \sqrt{75} < 9$$

$$\sqrt{75} \approx 8.66025\dots$$

$$\sqrt{75}$$

$$\sqrt{25 \cdot 3}$$

$$\sqrt{25} \cdot \sqrt{3}$$

$$5\sqrt{3}$$



Pg. 1008

3-4

$$\sqrt{20}$$

$$\sqrt{4 \cdot 5}$$

$$2\sqrt{5}$$

$$\sqrt{18}$$

$$\sqrt{9 \cdot 2}$$

$$3\sqrt{2}$$

$$\sqrt{16}$$

$$\sqrt{4 \cdot 29}$$

$$2\sqrt{29}$$

Pg. 1009

$$(x-1)^2 = 17$$

$$1 + 4.12 = 5.12 \quad x-1 = \pm\sqrt{17}$$

$$1 - 4.12 = -3.12 \quad x = 1 \pm\sqrt{17}$$

$$(r+8)^2 = 83$$

$$(17-d)^2 = 55$$

$$r+8 = \pm\sqrt{83}$$

$$r = -8 \pm\sqrt{83}$$

$$-8 + 9.11 = 1.11$$

$$-8 - 9.11 = -17.11$$