

Warm-up 3/9/17

Determine the distance between each set of points.

1. $(-6, 0)$ and $(4, 0)$

$$\sqrt{(4 - (-6))^2 + (0 - 0)^2}$$

$$\sqrt{100}$$

$$10$$

2. $(-4, 15)$ and $(12, 15)$

$$12 - (-4)$$

$$16$$

Pg. 894-895

1-3

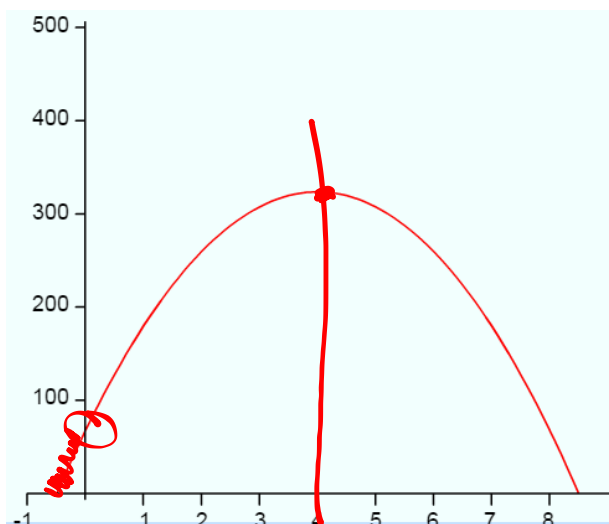
$$-16t^2 + 128t + 68$$

zeros $(-\frac{1}{2}, 10)$

$(8\frac{1}{2}, 10)$

y-int. $(0, 68)$

4-7

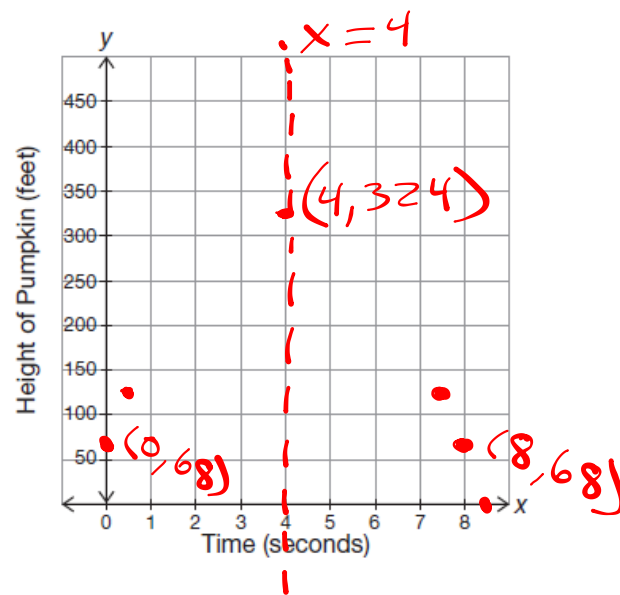


$$-16(4)^2 + 128(4) + 68$$

$$-256 + 512 + 68 = 324$$

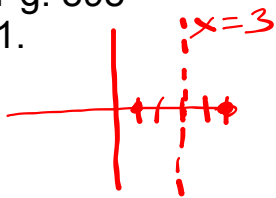
Pg. 896-897

1-6



Pg. 898

1.



$$\frac{1+5}{2} = 3$$

$$\frac{-3.5+4.1}{2} = .3$$

$$x = .3$$

$$\frac{0+(-7)}{2} = -3.5$$

$$x = -3.5$$

$$2. \quad f(-2) = (-2)^2 + 4(-2) + 3 \quad (-2, -1)$$

$$= 4 - 8 + 3 = -1$$

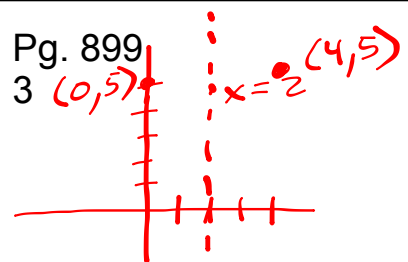
$$\frac{-2+2}{2} = 0 \quad x=0$$

$$(0, -4)$$

$$0^2 - 4 = -4$$

Pg. 899

3



$$\frac{0+x}{2} = 2$$

