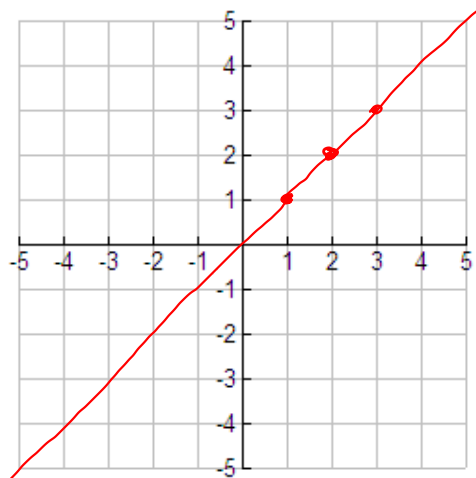
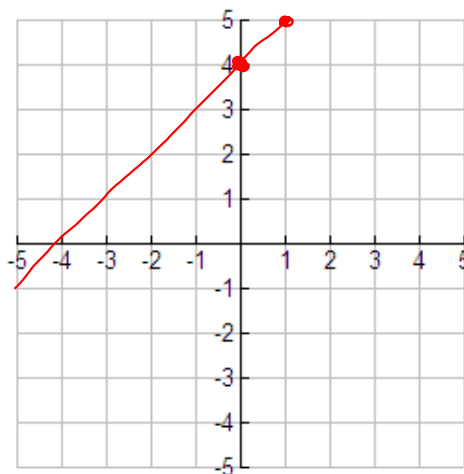


Warm-up 3/14/17
Graph each function.

1. $f(x) = x$ $y = x$



2. $f(x) = x + 4$

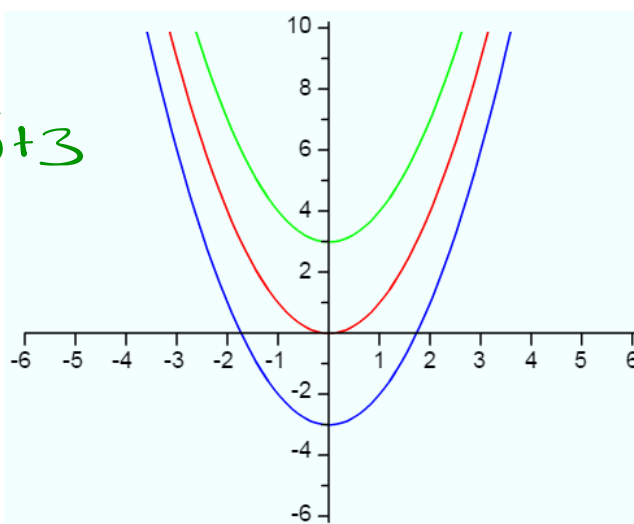


Pg. 916

$g(x) = x^2$

$c(x) = x^2 + 3 = (x - 0)^2 + 3$

$d(x) = x^2 - 3$



$(x, y + 3)$

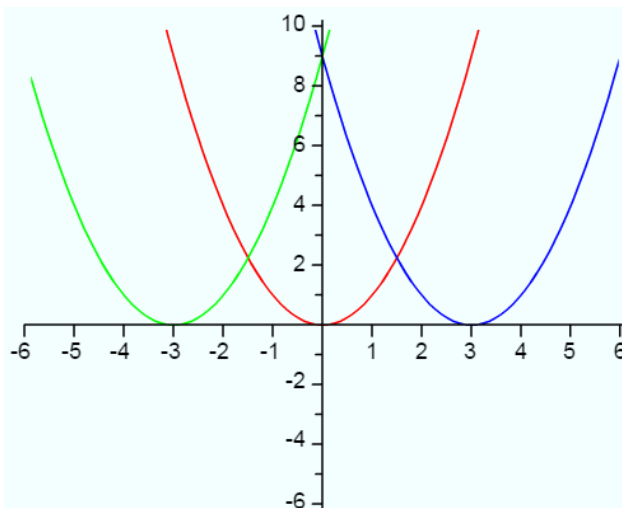
$(x, y - 3)$

Pg. 917

$$g(x) = x^2$$

$$j(x) = (x + 3)^2$$

$$k(x) = (x - 3)^2$$

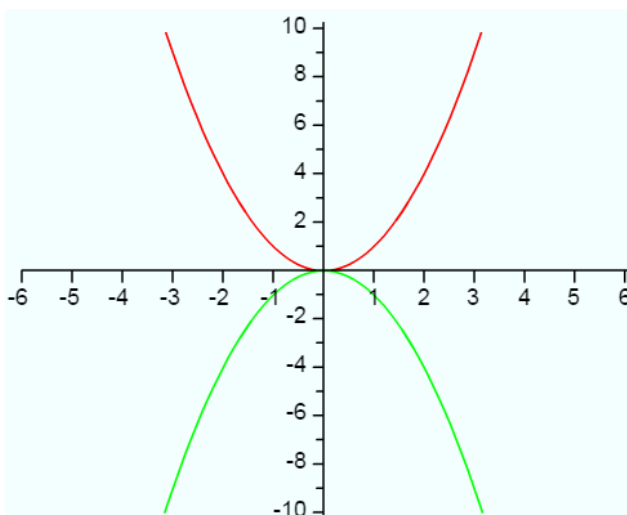


Pg. 918

$$g(x) = x^2 = (-x)^2$$

$$m(x) = -x^2$$

$$-(x)^2$$



Pg. 920

4

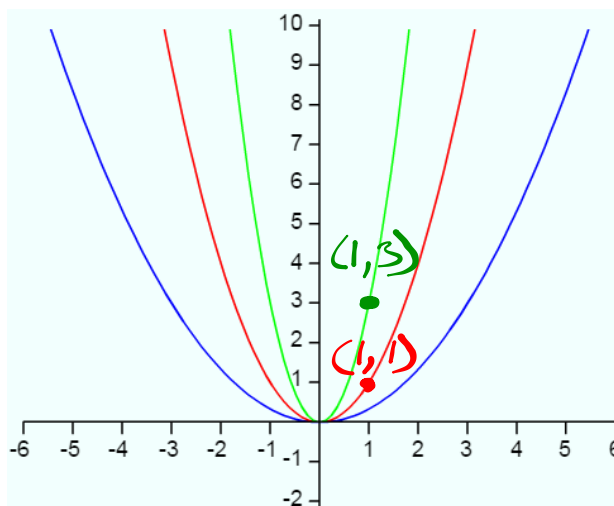
 $f(x) = x^2 + b, b > 0$ translated up $f(x) = x^2 + b, b < 0$ translated down $f(x) = (x + b)^2, b > 0$ translated left $f(x) = (x + b)^2, b < 0$ translated right $f(x) = -x^2$ reflected over the x-axis or $y = 0$

Pg. 921

$$g(x) = x^2$$

$$p(x) = 3x^2$$

$$q(x) = 1/3(x^2)$$



Pg. 923-925

1a-d

$$a(x-h)^2 + k$$

$$(x-5)^2$$

$$-2x^2 - 1$$

$$\frac{1}{4}(x+3)^2 - 4$$

$$-(x-2)^2 + 8$$

Pg. 925

2a-d