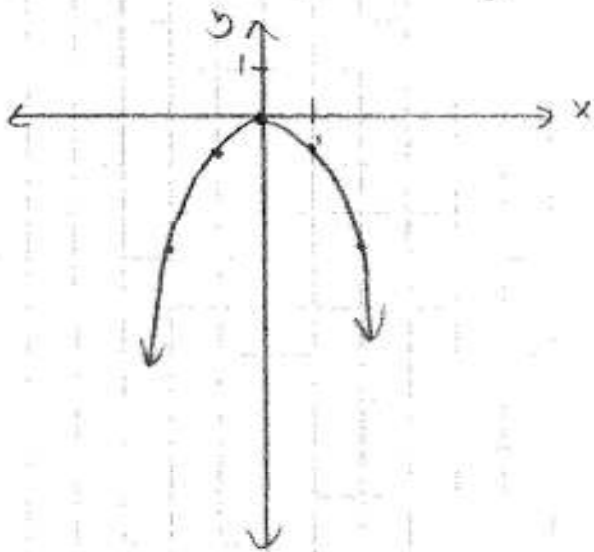


$$\textcircled{13} \quad d(x) = -\frac{2}{3}x^2$$

reflected across x-axis
vertical compression by factor of $\frac{2}{3}$



$$\textcircled{14} \quad g(x) = 2(x+3)^2$$

$$\textcircled{15} \quad g(x) = -x^2 - 6$$

$$\textcircled{33} \quad p(x) = -(x-4)^2$$

reflected across x-axis,
translated 4 units to right

$$\textcircled{36} \quad p(x) = \frac{1}{4}x^2 + 2$$

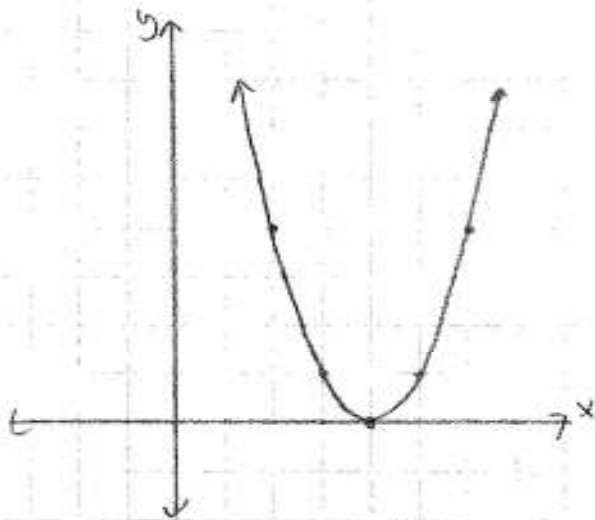
vertical compression by factor $\frac{1}{4}$
translated 2 units up

$$\textcircled{37} \quad g(x) = (3x)^2 + 1$$

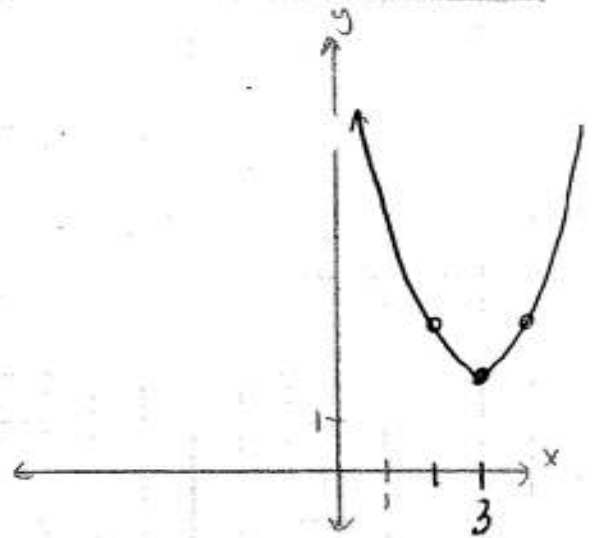
$$g(x) = \left(\frac{1}{3}x^2\right) + 1$$

horiz. compression by factor $\frac{1}{3}$,
translated 1 unit up

translated 4 units to right



translated 3 to Right, up 2



⑦ $h(x) = (x+1)^2 - 3$

translated 1 to left, down 3

⑧ $g(x) = 3x^2$

Vertical stretch by factor of 3

⑩ $p(x) = 0.25x^2$

Vertical compression by factor of 0.25

⑪ $f(x) = -(5x)^2$
 $h(x) = -\left(\frac{1}{5}x\right)^2$

reflected across x-axis
horiz. compression by factor of $\frac{1}{5}$

