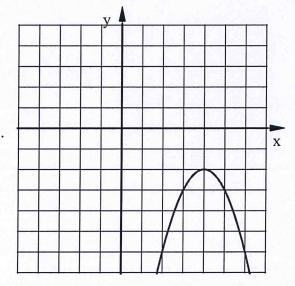
- 1. Factor completely.

2. Use a sheet of graph paper to graph each with at least five points. a) $y = -(x+3)^2 + 6$ b) $y = 3x^2$

a)
$$y = -(x+3)^2 + 6$$

b)
$$y = 3x^2$$

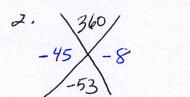
3. Write the equation for this graph.



1 AnswERS

1. Factor completely.

$$240x^7 - 636x^5 + 216x^3$$



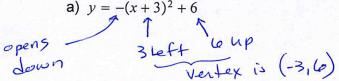
3.
$$4x^{2} - 9$$

$$5x^{2} | 20x^{4} - 45x^{2} | \longrightarrow$$

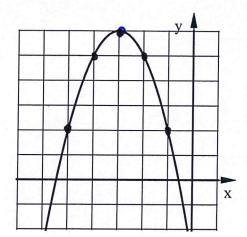
$$-2 | -8x^{2} + 18 |$$

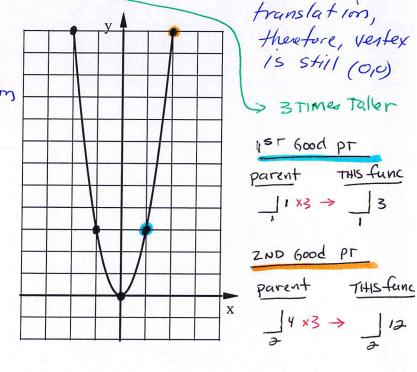
3.
$$\frac{4x^{2}-9}{5x^{2}}$$
 $\frac{3}{3}$
 $\frac{4x^{2}-9}{30x^{4}-45x^{2}}$
 $\frac{3}{3}$
 $\frac{3}{3}$

2. Use a sheet of graph paper to graph each with at least five points. -> no horiz, or vent.



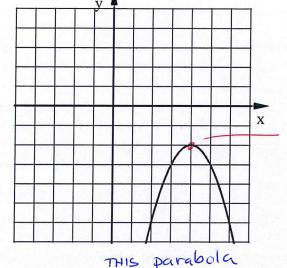
- same shape as parent function





b) $y = 3x^2$

3. Write the equation for this graph.



× 4 right 2down Vertex (-4,-2)

$$y = -(x-4)^2 - 2$$