1. Take $V=\langle -2,6\rangle$. Calculate -3V and $\frac{1}{2}V$.

2. Take $V=\langle -2,6\rangle$. Calculate the length of V, -3V and $\frac{1}{2}V$.

3. Take $V=\langle -2,6\rangle.$ Write its polar form.

4. Find the equation of the circle of radius 3 centered at (-1, 4).

5. Find the projection of (-1, 4) onto the unit circle.

6. Write $g(x) = -2(x-1)^2 + 1$ as a composite function using pow₂. Use a graphing tool to verify your answer.

7. Write $g(x) = 3(5x+1)^3$ as a composite function using pow₃. Use a graphing tool to verify your answer.