

Rvw - factoring, rational function - va & ha

Factor each completely.

1) $64 + 27u^3$

2) $36n^2 + 24n + 4$

3) $x^4 - 7x^2 - 30$

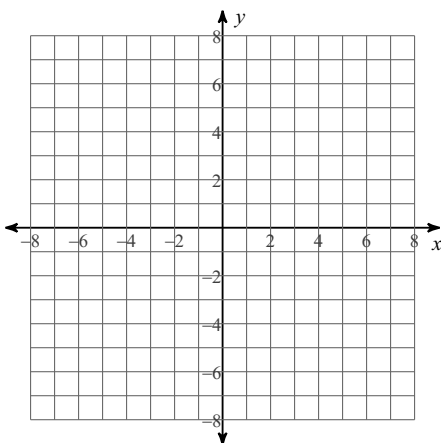
4) $5m^2 + 4m$

5) $9x^3 + 9x^2 + 3x + 3$

6) $25r^2 - 4$

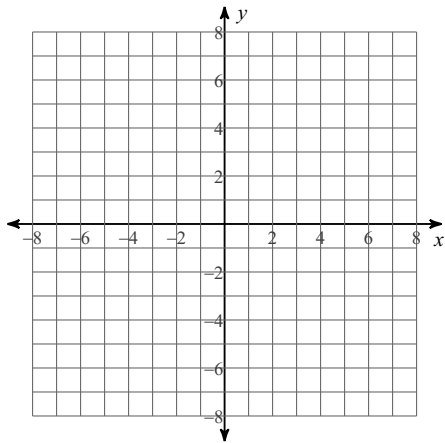
Graph. Identify the vertical asymptotes and EB for the function.

7) $f(x) = \frac{4}{x-2} - 1$



Graph. Identify the EB and horizontal asymptotes for the function.

$$8) f(x) = -\frac{4}{x+2}$$



Graph. Identify the vertical asymptotes and horizontal asymptotes for the function.

$$9) f(x) = \frac{2}{x-3} + 1$$

