1) Expand $(x + 3)(x - 2)^2$



2) a is directly proportional to b. When a=5, b=10. Find the value of b when a=7

3) Simplify
$$\frac{x^2-25}{x+5}$$

4) If
$$f(x) = 3 - 2x^2$$
, find the value of $f(-5)$

5) Find the coordinates of the vertex of the graph $y = x^2 - 6x + 12$