

(1)[5 points] Simplify

$$\frac{(-2)^3 x^4 (yz)^2}{3^2 xy^3 z}.$$

Express your answer so that all exponents are positive.

(2)[5 points] Expand

$$(2x + 5)(x + 2)$$

(3)[5 points] Factor

$$x^2 - 10x + 21$$