

1. (11 points) Substitute $x=1$, $y=-3$ into the expression $2xy^{-1} + |y|$ and simplify.

$$2(1)(-3)^{-1} + |-3|$$
$$= \frac{2}{-3} + 3 = \frac{2}{-3} + \frac{9}{3} = \frac{7}{3}$$

2. (11 points) Fill in the blanks in this table.

| Polynomial | Coefficients | Degree |
|--------------------|-----------------|--------|
| $x^3 + 3x + 12$ | 1, 0, 3, 12 | 3 |
| $3x^2 + 2x + 1555$ | 3, 2, 1555 | 2 |
| $14x^4 + 12$ | 14, 0, 0, 0, 12 | 4 |
| $12x^2 + 3x$ | 12, 3, 0 | 2 |

3. (11 points) Expand using FOIL or the Distributive Property (your choice!): $(3x+2) \cdot (x+1)$

$$3x^2 + 3x + 2x + 2 = 3x^2 + 5x + 2$$