

Only the solutions are listed below. You are responsible for showing me the work and steps in order to get this solution. Use your Math Toolkit to help you out!

**PART A**

1.

- a. 3
- b. 6.704
- c. 17
- d.  $-1\frac{1}{4}$
- e.  $\frac{-46}{15}$

2.

- a. \$103.40 to print 940 papers
- b. \$0.19 per paper

**PART B**

1.

- a. 216
- b. -27
- c. 12

2.

- a.  $x^{12}$
- b.  $6x^{11}$
- c.  $a^6$
- d.  $25x^{10}$
- e.  $m^{15}$
- f.  $-6y^4$

**PART C**

1.

- a.  $6x$
- b.  $-5x^2 - 8y$
- c.  $-5x + 10y$

2.

- a.  $x = 5$
- b.  $x = 8$
- c.  $y = -5$
- d.  $x = \frac{108}{5}$
- e.  $x = \frac{48}{5}$

**PART D**

1.  $y = -\frac{2}{3}x - 3$

2. x-intercept (4, 0)  
y-intercept (0, -6)

3.  $y = -3x + 7$

