

Topic 3: Simplify by adding and subtracting like terms of a polynomial expression

Simplify.

$$1. \left(-\frac{5}{9}a + 8 \right) + \left(-\frac{2}{3}a^2 - \frac{1}{4}a - 5 \right)$$

$$2. \left(-12.4x^2y - 6.2xy + 9.3y^2 \right) - \left(-5.3x^2y + 1.6xy - 10.4y^2 \right)$$

$$3. \left(3a^2b - 6ab + 5b^2 \right) - \left(4ab - 6b^2 - 5a^2b \right)$$

Answers

$$1. -\frac{2}{3}a^2 - \frac{29}{36}a + 3$$

$$2. -7.1x^2y - 7.8xy + 19.7y^2$$

$$3. 8a^2b - 10ab + 11b^2$$