

Name:

Date: Score:

Polynomials Worksheet

Find each product

① $5(5p - 2)$

② $6xy(x + 6y)$

③ $(q + 8)(3n + 1)$

④ $(4x + 2)(6x - 2)$

⑤ $6(5a + 8)$

⑥ $(2a - 8b)(6a - 8b)$

⑦ $4xy(x + 4y)$

⑧ $(4a - 8b)(4a - 8b)$

⑨ $(x + 6)(x + 2)$

⑩ $(x - 8)(x - 6)$

⑪ $5(2a - 4b)$

⑫ $(6p - 5)(6p + 1)$

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Polynomials Worksheet

Answers

① $5(5p - 2)$

$$25p - 10$$

③ $(q + 8)(3n + 1)$

$$3nq + q + 24n + 8$$

⑤ $6(5a + 8)$

$$30a + 48$$

⑦ $4xy(x + 4y)$

$$4x^2y + 16xy^2$$

⑨ $(x + 6)(x + 2)$

$$x^2 + 8x + 12$$

⑪ $5(2a - 4b)$

$$10a - 20b$$

② $6xy(x + 6y)$

$$6x^2y + 36xy^2$$

④ $(4x + 2)(6x - 2)$

$$24x^2 + 4x - 4$$

⑥ $(2a - 8b)(6a - 8b)$

$$12a^2 - 64ab + 64b^2$$

⑧ $(4a - 8b)(4a - 8b)$

$$16a^2 - 64ab + 64b^2$$

⑩ $(x - 8)(x - 6)$

$$x^2 - 14x + 48$$

⑫ $(6p - 5)(6p + 1)$

$$36p^2 - 24p - 5$$