

**1**

Answer the following question.

- (a)  $(5ge^2 - 7g^2e + 3ge + 9)$  is subtracted from  $(25g^2e - 43ge^2 + 7ge + 43)$ . The difference is added to the sum of  $(g^2e + 27)$  and 2 times  $(5ge^2 + 6g + 7)$ . Write out the resulting algebraic expression.

**2**

Answer the following questions.

(a)  $-3a^3b \times 4b^2a$

$=$

(b)  $(6b^2)^3$

$=$

(c)  $8rm^3 \times 6m^3 r^5$

$=$

(d)  $(5c^3d)^2$

$=$

(e)  $p^5q^6 \times q^5p^5$

$=$

(f)  $(4gp)^4$

$=$

(g)  $6ab \times 5b$

$=$

(h)  $(4a^{20})^3$

$=$

**3**Answer the following questions.

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(a)  $(3g + 5)(4m - 3) + (7mg)(6)$

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(b)  $(3x + 7y + 6 + 9x^2 + 4y^2)(8x + 9y)$

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(c)  $(6y + 3)(7x - 5) + (9x + 5)(7y - 9)$

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(d)  $(3g)(4m^2 + 5 + 6m) - (4m)(6g - 3 + 4g^2)$

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