

Algebra 1 Bellwork Tuesday, September 28⁹, 2015
Simplify each using the Distributive Property. Write answers in Standard form.

1. $-2(4k^2 - 7k + 8)$

2. $4g(6g^3 + 5g - 8)$

3. $\frac{5}{6}(15q - 18)$

4. $-3cd^2(-6c^2d + cd^2 + 4d^3)$

5. $\frac{4}{7}c^3(21c - 11)$

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Answers

1. $-2(4k^2 - 7k + 8)$

$-8k^2 + 14k - 16$

2. $4g(6g^3 + 5g - 8)$

$24g^4 + 20g^2 - 32g$

3. $\frac{5}{6}(15q - 18)$

$\frac{25}{2}q - 15$

$\frac{5}{6} \cdot 15q = \frac{5}{2} \cdot 5q = \frac{25}{2}q$

4. $-3cd^2(-6c^2d + cd^2 + 4d^3)$

$18c^3d^3 - 3c^2d^4 - 12cd^5$

5. $\frac{4}{7}c^3(21c - 11)$

$12c^4 - \frac{44}{7}c^3$