Expanding and Factoring Linear Expressions
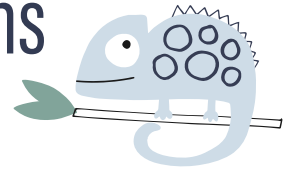
Use the distributive property to expand each expression.

$6(f + 5) =$ _____

$2(7x - 4) =$ _____

$-3(-7n + 8) =$ _____

$4(2a + 3b - 5) =$ _____

$8(11u - 9v - 4) =$ _____

$-7(3r - 7s + 6) =$ _____

$5(2.8k - 7.6) =$ _____

$\frac{1}{2}(-6p + 8) =$ _____

$1.3(-8m + 2.2) =$ _____

$-8\left(\frac{1}{4}g - \frac{3}{4}h - 7\right) =$ _____

Factor each expression. You can check your answer by distributing.

$12f + 16 =$ _____

$25p - 35 =$ _____

$22v - 4 =$ _____

$14e + 63 =$ _____

$3y + 12z - 9 =$ _____

$4r - 10s + 6 =$ _____

$8a - 12b + 2 =$ _____

$40m - 100n - 70 =$ _____

$36w - 24x + 30 =$ _____

$24c - 18d + 33 =$ _____