

**1. Simplify the expression or solve the equation, as appropriate.**

a) $3x + 4x = 14$	b) $x - 5(x - 1)$
c) $3(3x - 5) + 2(5x + 4)$	d) $3(x - 2) - (7x + 2) = 4(3x + 1)$
e) $-3.5(x - 8) - 2.6(x - 2.8)$	f) $-\frac{6w}{8} = \frac{3}{2}$
g) $\frac{7}{2}x - \frac{5}{6} = \frac{1}{3} + \frac{3}{4}x$	h) $\frac{3}{5}x + 2x - \frac{5}{2} - \frac{7}{10}x$

**2. Translate. Then simplify the expression or solve the equation.**

a) Six, plus 3 times the sum of the number and 8
b) The quotient of the number and 3 is equal to 2 plus the quotient of the number and 6.

