

2-6 Solving quadratic equations by factoring

Solve these quadratic equations by factoring and finding the possible values of x .

_____ 1. $5x^2 + 13x + 6 = 0$

_____ 2. $6x^2 + 23x + 20 = 0$

_____ 3. $x^2 + 2x + 1 = 0$

_____ 4. $10x^2 + 29x + 10 = 0$

_____ 5. $x^2 + 6x + 5 = 0$

3-1 Functions

Let $f(x) = 3x - 10$ $g(x) = x^2$ $h(x) = 2^x$ Find each value below.

_____ 1. $h(-1)$

_____ 2. $h(3)$

_____ 3. $f(-5)$

_____ 4. $g(-5)$

_____ 5. $g(-5)$

3-2 A Composite Functions

Let $f(x) = 3x - 2$ $g(x) = x + 10$ $h(x) = 5x$
Find each value below.

_____ 1. $g(f(0))$

_____ 2. $g(f(3))$

_____ 3. $f(g(3))$

_____ 4. $h(h(2))$

_____ 5. $f(h(4))$