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# Linear Functions

Version 1

(1)  Evaluate  $f(9)$  when

$$f(x) = 2x + 2$$

(2)  Evaluate  $f(-8)$  when

$$f(x) = -6.8x + 6.8$$

(3)  Simplify  $f(6t)$  when

$$f(x) = x + 9$$

(4)  Simplify  $f(t - 4)$  when

$$f(x) = 2x$$

(5)  Simplify  $f(-3t - 7)$  when

$$f(x) = 2x + 5$$

(6)  Simplify  $f(-1.5t + 8.9)$  when

$$f(x) = -6.9x - 6.7$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -2x + 6$$

(8)  Simplify  $f(2x - 4)$  when

$$f(x) = 4x + 5$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -7x - 2$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 7x + 6$$

and

$$g(x) = 5x - 2$$

and

$$g(x) = -6x + 8$$

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# Linear Functions

Version 2

(1)  Evaluate  $f(-6)$  when

$$f(x) = 3x - 7$$

(2)  Evaluate  $f(8.2)$  when

$$f(x) = -6.9x - 4.7$$

(3)  Simplify  $f(-4t)$  when

$$f(x) = x + 2$$

(4)  Simplify  $f(t + 8)$  when

$$f(x) = 6x$$

(5)  Simplify  $f(-4t - 9)$  when

$$f(x) = -5x + 1$$

(6)  Simplify  $f(-3t + 6.6)$  when

$$f(x) = -1.8x - 7$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -8x - 1$$

(8)  Simplify  $f(3x + 8)$  when

$$f(x) = 7x + 9$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -8x + 4$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -3x + 8$$

and

$$g(x) = -3x + 2$$

and

$$g(x) = 6x + 1$$

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# Linear Functions

Version 3

(1)  Evaluate  $f(4)$  when

$$f(x) = -9x - 5$$

(2)  Evaluate  $f(-1.2)$  when

$$f(x) = 9.3x - 3$$

(3)  Simplify  $f(-5t)$  when

$$f(x) = x - 4$$

(4)  Simplify  $f(t + 4)$  when

$$f(x) = 3x$$

(5)  Simplify  $f(-6t - 8)$  when

$$f(x) = 5x - 8$$

(6)  Simplify  $f(-3.6t + 4.5)$  when

$$f(x) = 7.1x + 1.5$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 6x - 7$$

(8)  Simplify  $f(-4x + 7)$  when

$$f(x) = 4x + 4$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 7x - 9$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 7x - 6$$

and

$$g(x) = 6x + 7$$

and

$$g(x) = 6x - 5$$

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# Linear Functions

Version 4

(1)  Evaluate  $f(4)$  when

$$f(x) = -2x - 2$$

(2)  Evaluate  $f(9.7)$  when

$$f(x) = 4.4x + 3.7$$

(3)  Simplify  $f(-8t)$  when

$$f(x) = x - 8$$

(4)  Simplify  $f(t - 8)$  when

$$f(x) = -3x$$

(5)  Simplify  $f(3t + 8)$  when

$$f(x) = -5x - 1$$

(6)  Simplify  $f(6.2t + 5.5)$  when

$$f(x) = -1.9x + 2.9$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -8x - 7$$

(8)  Simplify  $f(-3x - 3)$  when

$$f(x) = 4x - 3$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 8x - 5$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 3x - 9$$

and

$$g(x) = -2x - 3$$

and

$$g(x) = 5x - 3$$

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# Linear Functions

Version 5

(1)  Evaluate  $f(1)$  when  
$$f(x) = -5x + 3$$

(2)  Evaluate  $f(-2.3)$  when  
$$f(x) = -6.4x - 5.9$$

(3)  Simplify  $f(-4t)$  when  
$$f(x) = x + 3$$

(4)  Simplify  $f(t + 5)$  when  
$$f(x) = 6x$$

(5)  Simplify  $f(8t + 5)$  when  
$$f(x) = -3x - 6$$

(6)  Simplify  $f(4.8t + 9)$  when  
$$f(x) = 4.8x - 5.2$$

(7)  Simplify  $f(-x)$  when  
$$f(x) = -2x - 5$$

(8)  Simplify  $f(-7x + 9)$  when  
$$f(x) = -6x - 2$$

(9)  Simplify  $f(x) + g(x)$  when  
$$f(x) = 5x - 7$$

(10)  Simplify  $f(x) - g(x)$  when  
$$f(x) = -5x - 6$$

and

$$g(x) = -7x - 8$$

and

$$g(x) = -7x + 8$$

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# Linear Functions

Version 6

(1)  Evaluate  $f(-4)$  when

$$f(x) = -9x + 8$$

(2)  Evaluate  $f(9.9)$  when

$$f(x) = 0.5x + 4.3$$

(3)  Simplify  $f(-2t)$  when

$$f(x) = x + 7$$

(4)  Simplify  $f(t + 8)$  when

$$f(x) = -6x$$

(5)  Simplify  $f(4t - 4)$  when

$$f(x) = 4x + 3$$

(6)  Simplify  $f(2.3t - 9.9)$  when

$$f(x) = 6.6x - 1.7$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -2x + 8$$

(8)  Simplify  $f(-7x - 2)$  when

$$f(x) = -9x + 3$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 8x - 6$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -5x - 7$$

and

$$g(x) = -5x + 4$$

and

$$g(x) = -4x + 4$$

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# Linear Functions

Version 7

(1)  Evaluate  $f(-9)$  when

$$f(x) = -6x - 4$$

(2)  Evaluate  $f(4.7)$  when

$$f(x) = 8.5x - 2.5$$

(3)  Simplify  $f(9t)$  when

$$f(x) = x + 9$$

(4)  Simplify  $f(t - 8)$  when

$$f(x) = -6x$$

(5)  Simplify  $f(-3t - 7)$  when

$$f(x) = 2x - 5$$

(6)  Simplify  $f(3t - 0.4)$  when

$$f(x) = 1.9x - 2.3$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 2x - 1$$

(8)  Simplify  $f(7x + 3)$  when

$$f(x) = -3x + 5$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 7x - 1$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -7x + 4$$

and

$$g(x) = -6x - 1$$

and

$$g(x) = 6x + 8$$

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# Linear Functions

Version 8

(1)  Evaluate  $f(1)$  when  
$$f(x) = -4x + 3$$

(2)  Evaluate  $f(-9.4)$  when  
$$f(x) = 7.2x + 4$$

(3)  Simplify  $f(-3t)$  when  
$$f(x) = x - 4$$

(4)  Simplify  $f(t + 5)$  when  
$$f(x) = -5x$$

(5)  Simplify  $f(3t + 2)$  when  
$$f(x) = 2x - 9$$

(6)  Simplify  $f(-6.6t - 5.2)$  when  
$$f(x) = -8.3x - 8.9$$

(7)  Simplify  $f(-x)$  when  
$$f(x) = -7x - 4$$

(8)  Simplify  $f(7x - 6)$  when  
$$f(x) = 9x - 1$$

(9)  Simplify  $f(x) + g(x)$  when  
$$f(x) = -8x + 6$$

(10)  Simplify  $f(x) - g(x)$  when  
$$f(x) = -4x + 4$$

and

$$g(x) = 4x - 2$$

and

$$g(x) = 4x + 9$$

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# Linear Functions

Version 9

(1)  Evaluate  $f(7)$  when

$$f(x) = 7x - 3$$

(2)  Evaluate  $f(6.6)$  when

$$f(x) = 4.8x + 1.7$$

(3)  Simplify  $f(-6t)$  when

$$f(x) = x - 4$$

(4)  Simplify  $f(t - 6)$  when

$$f(x) = 7x$$

(5)  Simplify  $f(5t + 6)$  when

$$f(x) = -7x + 4$$

(6)  Simplify  $f(-5t + 8.4)$  when

$$f(x) = -4.9x - 0.3$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 7x + 7$$

(8)  Simplify  $f(2x - 8)$  when

$$f(x) = -7x + 1$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -7x + 2$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -2x + 5$$

and

$$g(x) = -6x - 4$$

and

$$g(x) = 8x + 7$$

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# Linear Functions

Version 10

(1)  Evaluate  $f(3)$  when

$$f(x) = -5x - 3$$

(2)  Evaluate  $f(2.9)$  when

$$f(x) = -8.8x + 4.9$$

(3)  Simplify  $f(8t)$  when

$$f(x) = x - 3$$

(4)  Simplify  $f(t - 6)$  when

$$f(x) = 2x$$

(5)  Simplify  $f(-4t - 2)$  when

$$f(x) = 7x + 2$$

(6)  Simplify  $f(3.7t + 9.5)$  when

$$f(x) = 6x - 1.6$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -7x + 9$$

(8)  Simplify  $f(-2x + 8)$  when

$$f(x) = -2x - 5$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 2x - 4$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 8x - 3$$

and

$$g(x) = -4x - 3$$

and

$$g(x) = -9x + 5$$

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# Linear Functions

Version 11

(1)  Evaluate  $f(1)$  when

$$f(x) = -6x - 7$$

(2)  Evaluate  $f(-0.2)$  when

$$f(x) = 4.7x + 5.9$$

(3)  Simplify  $f(9t)$  when

$$f(x) = x - 5$$

(4)  Simplify  $f(t + 6)$  when

$$f(x) = 5x$$

(5)  Simplify  $f(8t + 7)$  when

$$f(x) = -6x + 5$$

(6)  Simplify  $f(9.8t + 2.8)$  when

$$f(x) = 0.8x - 4.5$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 2x - 5$$

(8)  Simplify  $f(-7x - 3)$  when

$$f(x) = -2x + 1$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 4x - 7$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -6x - 8$$

and

$$g(x) = -2x + 8$$

and

$$g(x) = 3x - 5$$

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# Linear Functions

Version 12

(1)  Evaluate  $f(-7)$  when

$$f(x) = -9x + 6$$

(2)  Evaluate  $f(8.4)$  when

$$f(x) = 7x - 6.2$$

(3)  Simplify  $f(9t)$  when

$$f(x) = x - 2$$

(4)  Simplify  $f(t - 8)$  when

$$f(x) = 9x$$

(5)  Simplify  $f(8t + 7)$  when

$$f(x) = 4x - 5$$

(6)  Simplify  $f(-6.5t + 8.8)$  when

$$f(x) = -2.3x + 2.5$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -2x + 8$$

(8)  Simplify  $f(-8x + 6)$  when

$$f(x) = 3x - 2$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -8x + 1$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 8x - 9$$

and

$$g(x) = -2x + 3$$

and

$$g(x) = -7x + 5$$

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# Linear Functions

Version 13

(1)  Evaluate  $f(7)$  when

$$f(x) = -6x - 2$$

(2)  Evaluate  $f(-9.4)$  when

$$f(x) = 6.2x + 4.8$$

(3)  Simplify  $f(-4t)$  when

$$f(x) = x - 5$$

(4)  Simplify  $f(t - 4)$  when

$$f(x) = 5x$$

(5)  Simplify  $f(7t - 8)$  when

$$f(x) = 5x + 8$$

(6)  Simplify  $f(-1.6t + 4.6)$  when

$$f(x) = 2.6x - 5.7$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 2x - 6$$

(8)  Simplify  $f(6x + 5)$  when

$$f(x) = -4x + 1$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -4x + 5$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -2x - 7$$

and

$$g(x) = -5x + 1$$

and

$$g(x) = 9x + 3$$

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# Linear Functions

Version 14

(1)  Evaluate  $f(-6)$  when

$$f(x) = -3x + 2$$

(2)  Evaluate  $f(-1.5)$  when

$$f(x) = 4.9x + 2.6$$

(3)  Simplify  $f(4t)$  when

$$f(x) = x - 4$$

(4)  Simplify  $f(t - 2)$  when

$$f(x) = 3x$$

(5)  Simplify  $f(-5t - 2)$  when

$$f(x) = 7x + 2$$

(6)  Simplify  $f(-9.4t - 7.5)$  when

$$f(x) = 7.1x + 9.8$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -7x + 8$$

(8)  Simplify  $f(4x - 5)$  when

$$f(x) = -5x + 9$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 8x - 8$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -3x - 2$$

and

$$g(x) = 6x + 1$$

and

$$g(x) = 9x + 1$$

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# Linear Functions

Version 15

(1)  Evaluate  $f(-4)$  when

$$f(x) = 9x + 2$$

(2)  Evaluate  $f(-4.6)$  when

$$f(x) = -8.2x + 7.7$$

(3)  Simplify  $f(-4t)$  when

$$f(x) = x + 7$$

(4)  Simplify  $f(t + 1)$  when

$$f(x) = 9x$$

(5)  Simplify  $f(4t - 8)$  when

$$f(x) = 4x + 7$$

(6)  Simplify  $f(-6.5t - 8.7)$  when

$$f(x) = 9.1x + 0.9$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 7x - 8$$

(8)  Simplify  $f(-5x - 7)$  when

$$f(x) = 7x + 9$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -5x + 2$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -7x - 3$$

and

$$g(x) = -2x + 9$$

and

$$g(x) = -8x - 1$$

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# Linear Functions

Version 16

(1)  Evaluate  $f(-2)$  when

$$f(x) = 2x + 6$$

(2)  Evaluate  $f(-5.2)$  when

$$f(x) = 3.3x + 8.2$$

(3)  Simplify  $f(8t)$  when

$$f(x) = x + 3$$

(4)  Simplify  $f(t - 7)$  when

$$f(x) = -3x$$

(5)  Simplify  $f(2t + 1)$  when

$$f(x) = 2x + 9$$

(6)  Simplify  $f(2.8t - 4.9)$  when

$$f(x) = -1.7x - 7.1$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -8x + 5$$

(8)  Simplify  $f(-7x - 5)$  when

$$f(x) = 2x - 1$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 9x + 7$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -5x - 3$$

and

$$g(x) = -3x + 9$$

and

$$g(x) = 2x + 6$$

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# Linear Functions

Version 17

(1)  Evaluate  $f(3)$  when

$$f(x) = -2x - 4$$

(2)  Evaluate  $f(0.8)$  when

$$f(x) = 8.5x + 9.1$$

(3)  Simplify  $f(7t)$  when

$$f(x) = x - 4$$

(4)  Simplify  $f(t + 4)$  when

$$f(x) = -3x$$

(5)  Simplify  $f(-4t + 1)$  when

$$f(x) = -9x + 3$$

(6)  Simplify  $f(-1.2t + 4.8)$  when

$$f(x) = 1.1x + 4.6$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -2x + 8$$

(8)  Simplify  $f(6x - 4)$  when

$$f(x) = 8x + 3$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -3x + 5$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -4x + 5$$

and

$$g(x) = -4x + 1$$

and

$$g(x) = 6x + 7$$

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# Linear Functions

Version 18

(1)  Evaluate  $f(9)$  when

$$f(x) = -5x + 4$$

(2)  Evaluate  $f(8.4)$  when

$$f(x) = 4.9x + 2.8$$

(3)  Simplify  $f(5t)$  when

$$f(x) = x - 9$$

(4)  Simplify  $f(t - 7)$  when

$$f(x) = -2x$$

(5)  Simplify  $f(3t + 9)$  when

$$f(x) = 4x + 8$$

(6)  Simplify  $f(-9.8t - 3.6)$  when

$$f(x) = -8.4x + 8.4$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -3x + 5$$

(8)  Simplify  $f(4x + 7)$  when

$$f(x) = -3x - 7$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -7x - 8$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 4x + 9$$

and

$$g(x) = 6x + 9$$

and

$$g(x) = -8x + 3$$

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# Linear Functions

Version 19

(1)  Evaluate  $f(-4)$  when

$$f(x) = 3x + 9$$

(2)  Evaluate  $f(3.2)$  when

$$f(x) = 6.1x - 1.4$$

(3)  Simplify  $f(9t)$  when

$$f(x) = x + 6$$

(4)  Simplify  $f(t - 5)$  when

$$f(x) = -8x$$

(5)  Simplify  $f(6t - 6)$  when

$$f(x) = 8x - 2$$

(6)  Simplify  $f(6.8t + 2.5)$  when

$$f(x) = -9.7x + 9.9$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -2x - 7$$

(8)  Simplify  $f(-6x - 4)$  when

$$f(x) = 2x + 7$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 5x - 1$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 8x - 2$$

and

$$g(x) = -7x + 2$$

and

$$g(x) = -2x - 4$$

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# Linear Functions

Version 20

(1)  Evaluate  $f(-1)$  when

$$f(x) = 7x + 9$$

(2)  Evaluate  $f(1.2)$  when

$$f(x) = -4.6x + 3.1$$

(3)  Simplify  $f(-7t)$  when

$$f(x) = x + 4$$

(4)  Simplify  $f(t + 9)$  when

$$f(x) = 5x$$

(5)  Simplify  $f(-2t - 8)$  when

$$f(x) = -5x - 4$$

(6)  Simplify  $f(-2.8t - 9)$  when

$$f(x) = 7.6x - 1.5$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -8x - 4$$

(8)  Simplify  $f(-8x - 8)$  when

$$f(x) = 7x - 4$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = 3x + 2$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 2x - 4$$

and

$$g(x) = -9x - 3$$

and

$$g(x) = -2x + 9$$

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# Linear Functions

Version 21

(1)  Evaluate  $f(-7)$  when

$$f(x) = -2x + 7$$

(2)  Evaluate  $f(9)$  when

$$f(x) = -8.6x + 0.3$$

(3)  Simplify  $f(4t)$  when

$$f(x) = x - 7$$

(4)  Simplify  $f(t - 1)$  when

$$f(x) = 8x$$

(5)  Simplify  $f(-8t - 7)$  when

$$f(x) = -6x - 8$$

(6)  Simplify  $f(5.1t + 6.3)$  when

$$f(x) = 1.3x - 3.5$$

(7)  Simplify  $f(-x)$  when

$$f(x) = 6x + 6$$

(8)  Simplify  $f(4x + 7)$  when

$$f(x) = 5x + 5$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -5x - 5$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 9x + 2$$

and

$$g(x) = -6x - 5$$

and

$$g(x) = 8x + 9$$

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# Linear Functions

Version 22

(1)  Evaluate  $f(-9)$  when

$$f(x) = -9x - 5$$

(2)  Evaluate  $f(4.3)$  when

$$f(x) = 1.7x + 1.1$$

(3)  Simplify  $f(-8t)$  when

$$f(x) = x - 3$$

(4)  Simplify  $f(t - 8)$  when

$$f(x) = -7x$$

(5)  Simplify  $f(-7t - 7)$  when

$$f(x) = -5x - 5$$

(6)  Simplify  $f(-8.4t + 8.4)$  when

$$f(x) = 6.4x + 0.2$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -9x - 5$$

(8)  Simplify  $f(-2x + 6)$  when

$$f(x) = 7x - 7$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -6x + 8$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 6x + 7$$

and

$$g(x) = -3x + 4$$

and

$$g(x) = -3x + 3$$

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# Linear Functions

Version 23

(1)  Evaluate  $f(1)$  when

$$f(x) = -9x + 5$$

(2)  Evaluate  $f(-5.2)$  when

$$f(x) = -9.4x - 6.2$$

(3)  Simplify  $f(9t)$  when

$$f(x) = x + 4$$

(4)  Simplify  $f(t + 2)$  when

$$f(x) = 9x$$

(5)  Simplify  $f(-6t + 3)$  when

$$f(x) = 9x - 2$$

(6)  Simplify  $f(9.5t + 3.6)$  when

$$f(x) = 5.9x + 8.8$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -3x - 6$$

(8)  Simplify  $f(9x + 9)$  when

$$f(x) = 2x - 5$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -9x - 3$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = -2x - 3$$

and

$$g(x) = -4x - 8$$

and

$$g(x) = 6x - 7$$

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# Linear Functions

Version 24

(1)  Evaluate  $f(-5)$  when

$$f(x) = 9x + 3$$

(2)  Evaluate  $f(-0.8)$  when

$$f(x) = -5.7x + 3.7$$

(3)  Simplify  $f(4t)$  when

$$f(x) = x - 9$$

(4)  Simplify  $f(t + 6)$  when

$$f(x) = 7x$$

(5)  Simplify  $f(5t + 9)$  when

$$f(x) = 6x + 9$$

(6)  Simplify  $f(-2.8t - 6.3)$  when

$$f(x) = -7.5x + 5.5$$

(7)  Simplify  $f(-x)$  when

$$f(x) = -4x - 3$$

(8)  Simplify  $f(6x - 5)$  when

$$f(x) = -3x + 5$$

(9)  Simplify  $f(x) + g(x)$  when

$$f(x) = -8x + 3$$

(10)  Simplify  $f(x) - g(x)$  when

$$f(x) = 2x + 3$$

and

$$g(x) = 7x - 6$$

and

$$g(x) = -7x + 1$$

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# Linear Functions

Version 25

- (1)
- 
- Evaluate
- $f(-2)$
- when

$$f(x) = -5x + 7$$

- (2)
- 
- Evaluate
- $f(6.8)$
- when

$$f(x) = -2.1x - 6.5$$

- (3)
- 
- Simplify
- $f(6t)$
- when

$$f(x) = x - 7$$

- (4)
- 
- Simplify
- $f(t + 3)$
- when

$$f(x) = -6x$$

- (5)
- 
- Simplify
- $f(-7t - 5)$
- when

$$f(x) = -6x + 8$$

- (6)
- 
- Simplify
- $f(4.4t + 6.6)$
- when

$$f(x) = 1.2x + 6.4$$

- (7)
- 
- Simplify
- $f(-x)$
- when

$$f(x) = -4x + 8$$

- (8)
- 
- Simplify
- $f(-5x - 4)$
- when

$$f(x) = 8x + 9$$

- (9)
- 
- Simplify
- $f(x) + g(x)$
- when

$$f(x) = 8x + 6$$

- (10)
- 
- Simplify
- $f(x) - g(x)$
- when

$$f(x) = -3x - 1$$

and

$$g(x) = 7x + 5$$

and

$$g(x) = 2x - 8$$

## Version 1

- |               |                      |
|---------------|----------------------|
| (1) 20        | (2) 61.2             |
| (3) $6t + 9$  | (4) $2t - 8$         |
| (5) $-6t - 9$ | (6) $10.35t - 68.11$ |
| (7) $2x + 6$  | (8) $8x - 11$        |
| (9) $-2x - 4$ | (10) $13x - 2$       |

## Version 2

- |                |                    |
|----------------|--------------------|
| (1) -25        | (2) -61.28         |
| (3) $-4t + 2$  | (4) $6t + 48$      |
| (5) $20t + 46$ | (6) $5.4t - 18.88$ |
| (7) $8x - 1$   | (8) $21x + 65$     |
| (9) $-11x + 6$ | (10) $-9x + 7$     |

## Version 3

- |                 |                       |
|-----------------|-----------------------|
| (1) -41         | (2) -14.16            |
| (3) $-5t - 4$   | (4) $3t + 12$         |
| (5) $-30t - 48$ | (6) $-25.56t + 33.45$ |
| (7) $-6x - 7$   | (8) $-16x + 32$       |
| (9) $13x - 2$   | (10) $1x - 1$         |

## Version 4

- |                 |                      |
|-----------------|----------------------|
| (1) -10         | (2) 46.38            |
| (3) $-8t - 8$   | (4) $-3t + 24$       |
| (5) $-15t - 41$ | (6) $-11.78t - 7.55$ |
| (7) $8x - 7$    | (8) $-12x - 15$      |
| (9) $6x - 8$    | (10) $-2x - 6$       |

## Version 5

- |                 |                   |
|-----------------|-------------------|
| (1) -2          | (2) 8.82          |
| (3) $-4t + 3$   | (4) $6t + 30$     |
| (5) $-24t - 21$ | (6) $23.04t + 38$ |
| (7) $2x - 5$    | (8) $42x - 56$    |
| (9) $-2x - 15$  | (10) $2x - 14$    |

## Version 6

- |                |                      |
|----------------|----------------------|
| (1) 44         | (2) 9.25             |
| (3) $-2t + 7$  | (4) $-6t - 48$       |
| (5) $16t - 13$ | (6) $15.18t - 67.04$ |
| (7) $2x + 8$   | (8) $63x + 21$       |
| (9) $3x - 2$   | (10) $-1x - 11$      |

## Version 7

- |                |                   |
|----------------|-------------------|
| (1) 50         | (2) 37.45         |
| (3) $9t + 9$   | (4) $-6t + 48$    |
| (5) $-6t - 19$ | (6) $5.7t - 3.06$ |
| (7) $-2x - 1$  | (8) $-21x - 4$    |
| (9) $1x - 2$   | (10) $-13x - 4$   |

## Version 8

- |               |                      |
|---------------|----------------------|
| (1) -1        | (2) -63.68           |
| (3) $-3t - 4$ | (4) $-5t - 25$       |
| (5) $6t - 5$  | (6) $54.78t + 34.26$ |
| (7) $7x - 4$  | (8) $63x - 55$       |
| (9) $-4x + 4$ | (10) $-8x - 5$       |

## Version 9

- |                 |                     |
|-----------------|---------------------|
| (1) 46          | (2) 33.38           |
| (3) $-6t - 4$   | (4) $7t - 42$       |
| (5) $-35t - 38$ | (6) $24.5t - 41.46$ |
| (7) $-7x + 7$   | (8) $-14x + 57$     |
| (9) $-13x - 2$  | (10) $-10x - 2$     |

## Version 10

- |                 |                    |
|-----------------|--------------------|
| (1) -18         | (2) -20.62         |
| (3) $8t - 3$    | (4) $2t - 12$      |
| (5) $-28t - 12$ | (6) $22.2t + 55.4$ |
| (7) $7x + 9$    | (8) $4x - 21$      |
| (9) $-2x - 7$   | (10) $17x - 8$     |

## Version 11

- |                 |                    |
|-----------------|--------------------|
| (1) -13         | (2) 4.96           |
| (3) $9t - 5$    | (4) $5t + 30$      |
| (5) $-48t - 37$ | (6) $7.84t - 2.26$ |
| (7) $-2x - 5$   | (8) $14x + 7$      |
| (9) $2x + 1$    | (10) $-9x - 3$     |

## Version 12

- |                |                      |
|----------------|----------------------|
| (1) 69         | (2) 52.6             |
| (3) $9t - 2$   | (4) $9t - 72$        |
| (5) $32t + 23$ | (6) $14.95t - 17.74$ |
| (7) $2x + 8$   | (8) $-24x + 16$      |
| (9) $-10x + 4$ | (10) $15x - 14$      |

## Version 13

- |                |                     |
|----------------|---------------------|
| (1) -44        | (2) -53.48          |
| (3) $-4t - 5$  | (4) $5t - 20$       |
| (5) $35t - 32$ | (6) $-4.16t + 6.26$ |
| (7) $-2x - 6$  | (8) $-24x - 19$     |
| (9) $-9x + 6$  | (10) $-11x - 10$    |

## Version 14

- |                 |                       |
|-----------------|-----------------------|
| (1) 20          | (2) -4.75             |
| (3) $4t - 4$    | (4) $3t - 6$          |
| (5) $-35t - 12$ | (6) $-66.74t - 43.45$ |
| (7) $7x + 8$    | (8) $-20x + 34$       |
| (9) $14x - 7$   | (10) $-12x - 3$       |

## Version 15

- |                |                       |
|----------------|-----------------------|
| (1) -34        | (2) 45.42             |
| (3) $-4t + 7$  | (4) $9t + 9$          |
| (5) $16t - 25$ | (6) $-59.15t - 78.27$ |
| (7) $-7x - 8$  | (8) $-35x - 40$       |
| (9) $-7x + 11$ | (10) $1x - 2$         |

## Version 16

- |               |                     |
|---------------|---------------------|
| (1) 2         | (2) -8.96           |
| (3) $8t + 3$  | (4) $-3t + 21$      |
| (5) $4t + 11$ | (6) $-4.76t + 1.23$ |
| (7) $8x + 5$  | (8) $-14x - 11$     |
| (9) $6x + 16$ | (10) $-7x - 9$      |

## Version 17

- |               |                     |
|---------------|---------------------|
| (1) -10       | (2) 15.9            |
| (3) $7t - 4$  | (4) $-3t - 12$      |
| (5) $36t - 6$ | (6) $-1.32t + 9.88$ |
| (7) $2x + 8$  | (8) $48x - 29$      |
| (9) $-7x + 6$ | (10) $-10x - 2$     |

## Version 18

- |                |                      |
|----------------|----------------------|
| (1) -41        | (2) 43.96            |
| (3) $5t - 9$   | (4) $-2t + 14$       |
| (5) $12t + 44$ | (6) $82.32t + 38.64$ |
| (7) $3x + 5$   | (8) $-12x - 28$      |
| (9) $-1x + 1$  | (10) $12x + 6$       |

## Version 19

- |                |                       |
|----------------|-----------------------|
| (1) -3         | (2) 18.12             |
| (3) $9t + 6$   | (4) $-8t + 40$        |
| (5) $48t - 50$ | (6) $-65.96t - 14.35$ |
| (7) $2x - 7$   | (8) $-12x - 1$        |
| (9) $-2x + 1$  | (10) $10x + 2$        |

## Version 20

- |                |                      |
|----------------|----------------------|
| (1) 2          | (2) -2.42            |
| (3) $-7t + 4$  | (4) $5t + 45$        |
| (5) $10t + 36$ | (6) $-21.28t - 69.9$ |
| (7) $8x - 4$   | (8) $-56x - 60$      |
| (9) $-6x - 1$  | (10) $4x - 13$       |

## Version 21

- |                 |                    |
|-----------------|--------------------|
| (1) 21          | (2) -77.1          |
| (3) $4t - 7$    | (4) $8t - 8$       |
| (5) $48t + 34$  | (6) $6.63t + 4.69$ |
| (7) $-6x + 6$   | (8) $20x + 40$     |
| (9) $-11x - 10$ | (10) $1x - 7$      |

## Version 22

- |                |                       |
|----------------|-----------------------|
| (1) 76         | (2) 8.41              |
| (3) $-8t - 3$  | (4) $-7t + 56$        |
| (5) $35t + 30$ | (6) $-53.76t + 53.96$ |
| (7) $9x - 5$   | (8) $-14x + 35$       |
| (9) $-9x + 12$ | (10) $9x + 4$         |

## Version 23

- |                 |                      |
|-----------------|----------------------|
| (1) -4          | (2) 42.68            |
| (3) $9t + 4$    | (4) $9t + 18$        |
| (5) $-54t + 25$ | (6) $56.05t + 30.04$ |
| (7) $3x - 6$    | (8) $18x + 13$       |
| (9) $-13x - 11$ | (10) $-8x + 4$       |

## Version 24

- |                |                   |
|----------------|-------------------|
| (1) -42        | (2) 8.26          |
| (3) $4t - 9$   | (4) $7t + 42$     |
| (5) $30t + 63$ | (6) $21t + 52.75$ |
| (7) $4x - 3$   | (8) $-18x + 20$   |
| (9) $-1x - 3$  | (10) $9x + 2$     |

## Version 25

- |                |                     |
|----------------|---------------------|
| (1) 17         | (2) -20.78          |
| (3) $6t - 7$   | (4) $-6t - 18$      |
| (5) $42t + 38$ | (6) $5.28t + 14.32$ |
| (7) $4x + 8$   | (8) $-40x - 23$     |
| (9) $15x + 11$ | (10) $-5x + 7$      |