

# Algebra Practice - Distributive Property 1

You can do your rough work on a separate paper, or use algebra tiles to help you if you like!

1) Multiply by applying the distributive property. Choose an answer from the answer bank below and drag it to the correct box.

a)  $(x)(x) =$  \_\_\_\_\_

b)  $2(3x + 8) =$  \_\_\_\_\_

c)  $-3(5x - 3) =$  \_\_\_\_\_

d)  $x(-5x + 1) =$  \_\_\_\_\_

e)  $2x(x^2 + 2x + 4) =$  \_\_\_\_\_

f)  $-4x(2x^2 - 3x + 5) =$  \_\_\_\_\_

Answer bank \*\* Note there are more answers than questions \*

$6x + 16$	$-15x + 9$	$-5x^2 + 1$
$2x^3 + 4x + 8x$	$-8x^3 - 12x^2 - 20$	$-15x - 9$
$6x + 10$	$-8x^3 + 12x^2 - 20x$	$-15x + 6$
$x^2$	$2x$	$-6x^3 - 7x^2 - 9x$
$-5x^2 + x$	$6x - 16$	$2x^3 + 4x^2 + 8x$