

HOMEWORK 11

December 13, 2020

1. Distribute:

a) $(3m - 5)(m + 9) =$

b) $(a + 3)(a + 2) =$

c) $(5c - 2)(3 + 11c) =$

d) $(5 - x)(5 - x) =$

e) $(m - 3)(m - 3) =$

f) $(y + 11)(y + 11) =$

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

h) $(4y - 9)(4y + 9) =$

i) $(5g - h)(5g + h) =$

j) $(-3b - 7)(-3b + 7) =$

2. Let's review some equations:

a) $5 - 3|2x + 5| = -31$

b) $|6 - (2y - 3)| = 9$

c) $\frac{4n-28}{3} = 2n - 6$

d) $\frac{6-4y}{2} = y$

e) $5a + 5(1 - 3a) = a - 17$

f) $7n + 2(3(1 - n) - 2(1 + n)) = 14$

3.
$$\frac{0.4 + 8\left(5 - 0.8 \cdot \frac{5}{8}\right) - 5 \div 2\frac{1}{2}}{\left(1\frac{7}{8} \cdot 8 - \left(8.9 - 2.6 \div \frac{2}{3}\right)\right)} \cdot 34\frac{2}{5} =$$