

Week 7 Homework

Date _____ Period _____

Find each product.

1) $(5b + 2)(b + 3)$

2) $(3v + 2)(3v - 3)$

3) $(4n - 2)(3n + 1)$

4) $(4m - 2n)(5m + 5n)$

5) $(3m - 4n)(3m - 3n)$

6) $(2m - n)(2m - 4n)$

7) $(7k - 3)(7k + 3)$

8) $(6m - 5)^2$

9) $(5 + 2x)^2$

10) $(3x + 3)^2$

Find the roots / x-intercepts/ zeros of the given quadratics. Write in general form.

11) $(a + 5)(6a - 1) = 0$

12) $(5a - 3)(a + 4) = 0$

13) $(x - 3)(x - 8) = 0$

14) $(x + 1)(x + 8) = 0$

15) $(3x + 2)(x + 3) = 0$

16) $(x + 6)(7x - 2) = 0$

17) $(b - 4)(b - 5) = 0$

18) $(a + 1)(a + 2) = 0$

19) $x(3x + 4) = 0$

20) $(n - 2)^2 = 0$