

## Y-int and Vertex WS

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the y-intercept.**

1)  $(5m + 3)(m - 7) = 0$

2)  $(5v - 4)(v - 6) = 0$

3)  $(k + 7)^2 = 0$

4)  $(x - 5)(x + 7) = 0$

5)  $a^2 + 3a - 40 = 0$

6)  $b^2 + 4b + 3 = 0$

7)  $p^2 + 9p + 20 = 0$

8)  $n^2 + 13n + 40 = 0$

**Find the vertex.**

9)  $(n + 8)(n + 3) = 0$

10)  $(m + 6)(m - 1) = 0$

11)  $(x + 6)(3x + 7) = 0$

12)  $(m + 7)(m - 5) = 0$

13)  $(7n - 4)(n + 3) = 0$

14)  $(n + 8)(5n - 2) = 0$

15)  $k(2k + 7) = 0$

16)  $(x - 4)(x - 5) = 0$

## Y-int and Vertex WS

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the y-intercept.**

1)  $(5m + 3)(m - 7) = 0$

$\left\{-\frac{3}{5}, 7\right\}$

2)  $(5v - 4)(v - 6) = 0$

$\left\{\frac{4}{5}, 6\right\}$

3)  $(k + 7)^2 = 0$

$\{-7\}$

4)  $(x - 5)(x + 7) = 0$

$\{5, -7\}$

5)  $a^2 + 3a - 40 = 0$

$\{-8, 5\}$

6)  $b^2 + 4b + 3 = 0$

$\{-1, -3\}$

7)  $p^2 + 9p + 20 = 0$

$\{-4, -5\}$

8)  $n^2 + 13n + 40 = 0$

$\{-5, -8\}$

**Find the vertex.**

9)  $(n + 8)(n + 3) = 0$

$\{-8, -3\}$

10)  $(m + 6)(m - 1) = 0$

$\{-6, 1\}$

11)  $(x + 6)(3x + 7) = 0$

$\left\{-6, -\frac{7}{3}\right\}$

12)  $(m + 7)(m - 5) = 0$

$\{-7, 5\}$

13)  $(7n - 4)(n + 3) = 0$

$\left\{\frac{4}{7}, -3\right\}$

14)  $(n + 8)(5n - 2) = 0$

$\left\{-8, \frac{2}{5}\right\}$

15)  $k(2k + 7) = 0$

$\left\{-\frac{7}{2}, 0\right\}$

16)  $(x - 4)(x - 5) = 0$

$\{4, 5\}$