

Name \_\_\_\_\_

Date \_\_\_\_\_

**Quadratics: Using Square Roots and Zero Property - Matching Worksheet**

Evaluate and match the variable to their possible values.

- \_\_\_\_\_ 1.  $(s + 4)(s - 7) = 0$  a.  $q = 7$  or  $q = -7$
- \_\_\_\_\_ 2.  $(10r - 5)(7r - 5) = 0$  b.  $f = -11$  or  $f = 10$
- \_\_\_\_\_ 3.  $q^2 = 49$  c.  $m = \frac{1}{2}$  or  $m = \frac{3}{4}$
- \_\_\_\_\_ 4.  $(h - 12)(h + 8) = 0$  d.  $s = -4$  or  $s = 7$
- \_\_\_\_\_ 5.  $(6e - 1)(9e - 7) = 0$  e.  $r = 7$  or  $r = 8$
- \_\_\_\_\_ 6.  $a^2 = 121$  f.  $e = \frac{1}{6}$  or  $e = \frac{7}{9}$
- \_\_\_\_\_ 7.  $(f + 11)(f - 10) = 0$  g.  $z = 10$  or  $z = -10$
- \_\_\_\_\_ 8.  $(4m - 2)(12m - 9) = 0$  h.  $r = \frac{1}{2}$  or  $r = \frac{5}{7}$
- \_\_\_\_\_ 9.  $z^2 = 100$  i.  $a = 11$  or  $a = -11$
- \_\_\_\_\_ 10.  $(r - 7)(r - 8) = 0$  j.  $h = 12$  or  $h = -8$

