

Solving Equations Involving Squares and Square Roots

Name: _____

Date: _____

Directions: Solve the following square and square root problems.



1.

$$9 = \sqrt{n}$$
$$n = \underline{\hspace{2cm}}$$



3.

$$m^2 = 576$$
$$m = \underline{\hspace{2cm}}$$



2.

$$x^2 = 225$$
$$x = \underline{\hspace{2cm}}$$



4.

$$16 = \sqrt{t}$$
$$t = \underline{\hspace{2cm}}$$





5.

$$h^2 = 441$$
$$h = \underline{\hspace{2cm}}$$



7.

$$x^2 = 1,089$$
$$x = \underline{\hspace{2cm}}$$



6.

$$40 = \sqrt{r}$$
$$r = \underline{\hspace{2cm}}$$



8.

$$75 = \sqrt{m}$$
$$m = \underline{\hspace{2cm}}$$



Remembering Our Veterans on Veteran's Day **Answer Key**

Solving Equations Involving Squares and Square Roots

Directions: Solve the following square and square root problems.



1.

$$9 = \sqrt{n}$$
$$n = \mathbf{81}$$



3.

$$m^2 = 576$$
$$m = \mathbf{24 \text{ OR } -24}$$



3.

$$x^2 = 225$$
$$x = \mathbf{15 \text{ OR } -15}$$



4.

$$16 = \sqrt{t}$$
$$t = \mathbf{256}$$





5.

$$h^2 = 441$$

$$h = \mathbf{21 \text{ OR } -21}$$

7.

$$x^2 = 1,089$$

$$x = \mathbf{33 \text{ OR } -33}$$



6.

$$40 = \sqrt{r}$$

$$r = \mathbf{1,600}$$

8.

$$75 = \sqrt{m}$$

$$m = \mathbf{5,625}$$

