

Name: _____

Date _____

Topic: Evaluating Rational (Fractional) Exponent - Worksheet 1

Do the following:

1. Find the value : $179^{1/2}$

2. Find the value : $194^{1/2}$

3. If $f(x) = x^{1/2}$, find $f(150)$

4. Evaluate $a + a^{1/2} - a^{1/2}$, when $a=14$

5. Evaluate $c^{1/2} * c^{1/2}$ when $c=26$

6. Evaluate $(1/m)^{1/2}$, when $m=34$

7. Evaluate $a^{1/2} + a^{1/2}$, when $a=50$

8. Evaluate $(x^{-1/2} + x^{1/2})^{1/2}$, when $x=7$

9. Find the value : $22^{1/2}$

10. Find the value : $18^{1/2}$



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Topic: Evaluating Rational (Fractional) Exponent - Worksheet 2

Do the following:

1. Find the value : $159^{1/2}$

2. Find the value : $182^{1/2}$

3. If $f(x) = x^{1/2}$, find $f(170)$

4. Evaluate $a + a^{1/2} - a^{1/4}$, when $a=12$

5. Evaluate $c^{1/2} * c^{1/2}$ when $c=22$

6. Evaluate $(3/m)^{1/2}$, when $m=30$

7. Evaluate $a^{1/2} + a^{1/2}$, when $a=45$

8. Evaluate $(x^{-1/2} + x^{1/2})^{1/2}$, when $x=6$

9. Find the value : $14^{1/2}$

10. Find the value : $20^{1/2}$



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Topic: Evaluating Rational (Fractional) Exponent - Worksheet 3

Do the following:

1. Find the value : $134^{1/2}$

2. Find the value : $178^{1/2}$

3. If $f(x) = x^{1/2}$, find $f(165)$

4. Evaluate $a + a^{1/2} - a^{1/2}$, when $a=10$

5. Evaluate $c^{1/2} * c^{1/2}$ when $c=25$

6. Evaluate $(1/m)^{1/2}$, when $m=50$

7. Evaluate $a^{1/2} + a^{1/2}$, when $a=42$

8. Evaluate $(x^{-1/2} + x^{1/2})^{1/2}$, when $x=8$

9. Find the value : $19^{1/2}$

10. Find the value : $32^{1/2}$



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Topic: Evaluating Rational (Fractional) Exponent - Worksheet 4

Do the following:

1. Find the value : $160^{1/2}$

2. Find the value : $152^{1/2}$

3. If $f(x) = x^{1/2}$, find $f(140)$

4. Evaluate $a + a^{1/2} - a^{1/2}$, when $a=17$

5. Evaluate $c^{1/2} * c^{1/2}$ when $c=32$

6. Evaluate $(1/m)^{1/2}$, when $m=53$

7. Evaluate $a^{1/2} + a^{1/2}$, when $a=31$

8. Evaluate $(x^{-1/2} + x^{1/2})^{1/2}$, when $x=5$

9. Find the value : $28^{1/2}$

10. Find the value : $44^{1/2}$



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Topic: Evaluating Rational (Fractional) Exponent - Worksheet 5

Do the following:

1. Find the value : $168^{1/2}$

2. Find the value : $157^{1/2}$

3. If $f(x) = x^{1/2}$, find $f(122)$

4. Evaluate $a + a^{1/2} - a^{1/2}$, when $a=15$

5. Evaluate $c^{1/2} * c^{1/2}$ when $c=62$

6. Evaluate $(1/m)^{1/2}$, when $m=48$

7. Evaluate $a^{1/2} + a^{1/2}$, when $a=19$

8. Evaluate $(x^{-1/2} + x^{1/2})^{1/2}$, when $x=3$

9. Find the value : $41^{1/2}$

10. Find the value : $75^{1/2}$

