

Name: _____

Date _____

Topic : Approximations of Irrational Numbers - Worksheet 1

Solve to the nearest tenth.

1. $5/2 \sqrt{9}$

2. $\sqrt{9} + 3.56$

3. $8/3 - \sqrt{5}$

4. $\sqrt{7} - 6\pi$

5. $3\pi - 0.90$

6. $\sqrt{21}$



Solve to the nearest hundredth.

7. $6/2 \sqrt{5}$

8. $\sqrt{3} + 4.16$

9. $7/3 - \sqrt{4}$

10. $\sqrt{9} - 4\pi$



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Topic : Approximations of Irrational Numbers - Worksheet 2

Solve to the nearest tenth.

1. $\frac{4}{3} \sqrt{5}$

2. $\sqrt{6} + 5.26$

3. $\frac{15}{5} - \sqrt{8}$

4. $\sqrt{2} - 9\pi$

5. $4\pi + 0.85$

6. $\sqrt{31}$

Solve to the nearest hundredth.

7. $\frac{7}{5} \sqrt{7}$

8. $\sqrt{5} + 8.31$

9. $\frac{8}{6} - \sqrt{9}$

10. $\sqrt{7} - 16\pi$



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Topic : Approximations of Irrational Numbers - Worksheet 3

Solve to the nearest tenth.

1. $\frac{6}{7} \sqrt{4}$

2. $\sqrt{7} + 4.86$

3. $\frac{5}{7} - \sqrt{10}$

4. $\sqrt{4} - 26\pi$

5. $4\pi + 0.19$

6. $\sqrt{78}$

Solve to the nearest hundredth.

7. $\frac{15}{6} \sqrt{18}$

8. $\sqrt{12} + 9.74$

9. $\frac{16}{4} - \sqrt{13}$

10. $\sqrt{11} - 34\pi$



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Topic : Approximations of Irrational Numbers - Worksheet 4

Solve to the nearest tenth.

1. $5/4 \sqrt{8}$

2. $\sqrt{6} + 2.98$

3. $9/3 - \sqrt{7}$

4. $\sqrt{2} - 53\pi$

5. $87\pi + 0.73$

6. $\sqrt{99}$

Solve to the nearest hundredth.

7. $19/7 \sqrt{23}$

8. $\sqrt{7} + 16.46$

9. $19/9 - \sqrt{18}$

10. $\sqrt{11} - 55\pi$



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Topic : Approximations of Irrational Numbers - Worksheet 5

Solve to the nearest tenth.

1. $4/7 \sqrt{13}$

2. $\sqrt{14} + 2.41$

3. $10/7 - \sqrt{21}$

4. $\sqrt{23} - 88\pi$

5. $42\pi + 0.33$

6. $\sqrt{56}$

Solve to the nearest hundredth.

7. $22/5 \sqrt{26}$

8. $\sqrt{21} + 9.46$

9. $78/16 - \sqrt{45}$

10. $\sqrt{7} - 88\pi$

