

## 1.8 HW

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

**Solve each equation by taking square roots.**

1)  $2m^2 = 32$

2)  $b^2 - 1 = 51$

3)  $25x^2 - 1 = 63$

4)  $4v^2 - 1 = 211$

5)  $10 - 3x^2 = 5$

6)  $16n^2 - 9 = 16$

7)  $13x^2 - 17 = 191$

8)  $2k^2 - 3 = -35$

9)  $3a^2 - 9 = -42$

10)  $10x^2 + 9 = -79$

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### Answers to 1.8 HW (ID: 1)

1)  $\{4, -4\}$

2)  $\{2\sqrt{13}, -2\sqrt{13}\}$

3)  $\left\{\frac{8}{5}, -\frac{8}{5}\right\}$

4)  $\{\sqrt{53}, -\sqrt{53}\}$

5)  $\left\{\frac{\sqrt{15}}{3}, -\frac{\sqrt{15}}{3}\right\}$

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

7)  $\{4, -4\}$

8)  $\{4i, -4i\}$

9)  $\{i\sqrt{11}, -i\sqrt{11}\}$

10)  $\left\{\frac{2i\sqrt{55}}{5}, -\frac{2i\sqrt{55}}{5}\right\}$

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