Station 1 Cards
Converting Mixed Radicals to Entire Radicals

1 $3\sqrt{3}$	2 $-4\sqrt{6}$
3 $2\sqrt[3]{5}$	4 $3\sqrt[4]{5}$
5 $4x^2\sqrt{x^3}$	6 $-5q\left(\sqrt[3]{3q^4}\right)$

Station 2 Cards
Simplifying Radicals

1 $\sqrt{450}$	2 $\sqrt[3]{243}$
3 $\sqrt[4]{2048}$	4 $5\sqrt{60}$
5 $4\sqrt[3]{54b^{10}}$	6 $5\sqrt[4]{112c^{11}}$

Station 3 Cards
Adding and Subtracting Radicals

1 $2\sqrt{3}-6\sqrt{6}+3\sqrt{3}+5\sqrt{6}$	2 $2\sqrt{3q}+5\sqrt{6b}-3\sqrt{3q}-4\sqrt{6b}$
3 $-2\sqrt{40}+3\sqrt{160}-3\sqrt{32}-4\sqrt{2}$	4 $\sqrt[3]{27}+3\sqrt[3]{5}-4\sqrt[3]{40}-\sqrt[3]{125}$

Station 4 Cards
Multiplying Radicals

1 $\sqrt{3}\left(4\sqrt{12}\right)$	2 $\left(3\sqrt[3]{96}\right)\left(-5\sqrt[3]{72}\right)$
3 $\left(-4\sqrt{5x}\right)\left(4\sqrt{8}\right)$	4 $\left(2-\sqrt{7}\right)\left(2+\sqrt{7}\right)$
5 $-3\sqrt{8c}\left(4\sqrt{2c^5}-2\sqrt{6}\right)$	6 $\left(4\sqrt{2}-3\sqrt{5}\right)\left(6\sqrt{6}-4\sqrt{3}\right)$

Station 5 Cards
Dividing Radicals

1 $\frac{\sqrt{20}}{\sqrt{2}}$	2 $\frac{30\sqrt{150}}{20\sqrt{50}}$
3 $\frac{\sqrt[3]{50}}{\sqrt[3]{2}}$	4 $\frac{\sqrt{25x^6}}{\sqrt{5x^2}}$
5 $\frac{-4\sqrt{5}}{3\sqrt{8}}$	6 $\frac{\sqrt{8}}{3\sqrt{2}-\sqrt{3}}$

Station 1 Answers
Converting Mixed Radicals to Entire Radicals

1. $\sqrt{27}$ 2. $\sqrt{96}$ 3. $\sqrt[3]{40}$
4. $\sqrt[4]{405}$ 5. $\sqrt{16x^7}$ 6. $\sqrt[3]{-375q^7}$

Station 2 Answers
Simplifying Radicals

1. $15\sqrt{2}$ 2. $3\sqrt[3]{9}$ 3. $4\sqrt[4]{8}$
4. $10\sqrt{15}$ 5. $12b^3\sqrt[3]{6b}$ 6. $20c^2\sqrt[4]{7c^3}$

Station 3 Answers
Adding and Subtracting Radicals

1. $5\sqrt{3}-\sqrt{6}$ 2. $-\sqrt{3q}+\sqrt{6b}$ 3. $8\sqrt{10}-16\sqrt{2}$
4. $-2-5\sqrt[3]{5}$

Station 4 Answers
Multiplying Radicals

1. 24 2. $-180\sqrt[3]{4}$ 3. $-32\sqrt{10x}$
4. -3 5. $-48c^3+24\sqrt{3c}$
6. $48\sqrt{2}-16\sqrt{6}-18\sqrt{30}+12\sqrt{5}$

Station 5 Answers
Dividing Radicals

1. $\sqrt{10}$ 2. $\frac{3\sqrt{3}}{2}$ 3. $\sqrt[3]{25}$
4. $\sqrt{5}x^2$ 5. $\frac{-\sqrt{10}}{3}$ 6. $\frac{12+2\sqrt{6}}{15}$