Math worksheet on *'Radicals - Convert Square Root, Values Only, to Exponents - Negative (Level 1)'*. Part of a broader unit on *'Radicals - Simplifying Intro'*

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1 Convert the radical to a fractional exponent

$$\frac{1}{\sqrt{2}}$$

a	b	c
$4^{-\frac{1}{2}}$	$2^{-\frac{1}{2}}$	$8^{-\frac{1}{2}}$
d	**e**	**f**
$2^{-\frac{1}{3}}$	$2^{\frac{1}{2}}$	$6^{-\frac{1}{2}}$

2 Convert the radical to a fractional exponent

$$\frac{1}{\sqrt{5}}$$

a	b	c
$5^{-\frac{1}{3}}$	$5^{-\frac{1}{2}}$	$10^{-\frac{1}{2}}$
d	**e**	**f**
$15^{-\frac{1}{2}}$	$5^{\frac{1}{2}}$	$20^{-\frac{1}{2}}$

3 Convert the radical to a fractional exponent

$$\frac{1}{\sqrt{7}}$$

a	b	c
$7^{-\frac{1}{3}}$	$14^{-\frac{1}{2}}$	$7^{-\frac{1}{2}}$
d	**e**	**f**
$7^{\frac{1}{2}}$	$28^{-\frac{1}{2}}$	$21^{-\frac{1}{2}}$